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62.09

Germain

Los Angeles

1914



INSIDE FRONT COVER

Our Cover Page Specialties

GERMAIN'S GIANT PERFECTION STOCK

Our superb strain of Giant Perfection Ten Weeks' Stock is indeed a triumph of the art of the florist and hybridist. Those who know only the small and imperfect strains that have for so long been catalogued by foreign and American houses, can have no conception of the splendidly built up spikes, lovely coloring and perfectly shaped double flowers produced by this strain.

Every color existing in the stock is included, most of these being offered separately. But when insufficient of a color was at command to offer separately, we placed the seed in our Giant Perfection Mixture, and it is this that makes it unlike any mixture ever before offered. Patrons who have not room to grow all the varieties separately, can, therefore, order the mixed seed with the fullest confidence.

We strongly recommend Giant Perfection White for florists.

Crimson
Light Blue
Yellow
Flesh
Rose
White
Finest Mixed

Per Packet 15c
Collection of Six
Separate Colors 75c

GERMAIN'S WINTER QUEEN TOMATO

It is our business to find the best of everything for our customers. It is a policy that has made us hosts of friends and built up a big seed and plant house.

One of our hobbies for years has been the tomato, and we have left no stone unturned in the development of this strain of Winter Queen to the high state of perfection which it now occupies. The past season we conducted an interesting test of this seed, with six other varieties, at our trial grounds. In point of earliness our strain of Winter Queen matured in from ten days to two weeks before any of the others, not excepting the Earliana. Its compact bush was in striking contrast to the sprawling habit of other varieties in the field—an appealing feature to the market gardener. It is a generous producer of even sized, finely colored fruit of remarkably firm flesh, which makes it a prime favorite with the shipper. Another strong quality of Germain's Winter Queen is its hardiness, as it has been known to come through a frosty period in full vigor, where other varieties were entirely killed. The illustration on the back cover is from a photograph taken at our trial grounds at the end of the season, and is evidence enough of many of the claims for this sort.

10c. ounce
\$1 25,

\$250 IN CASH PRIZES

For

CLUB ORDERS

For the largest Club..... \$75.00
For the second largest Club..... 50.00
For the third largest Club..... 25.00
For the next five largest Clubs, each 10.00
For the next ten largest Clubs, each 5.00

YOU AND YOUR NEIGHBORS

all plant seeds, either on the farm or in the garden. We want these planted with Germain's seeds. With this in mind we are offering our customers an opportunity to benefit their friends and at the same time win a cash prize. If you will call on your friends and neighbors, show them our catalogue, tell them how well you have been pleased with our seeds, you will find them very ready to let you take their order to send in with your own. By collecting these orders you will form a club that will very likely bring you a substantial cash prize. In addition we will allow you a commission on the orders. You will be surprised to see how quickly these orders will amount to a very tidy sum, and it is not necessary to send in a very large amount to get a prize. If you are too busy, give your order to your son or daughter and let them see your neighbors and friends. Everything ordered from us gets our best attention whether the order is large or small. The contest will be open from the time this catalogue is issued until May 31st. Distribution of prizes will be made in time for the Fourth of July. Each order must state that it is sent in competition for the club prize. Drop us a line saying that you are going to try for one of these prizes, and we will send you blanks, order sheets and suggestions that will help you in taking orders.

Germain

Established 1871

SEED & PLANT CO.

326-328-330 SO. MAIN ST.

LOS ANGELES, CALIFORNIA

GERMAIN SEED AND PLANT COMPANY give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter of any Seeds, Bulbs or Plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

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[illegible]

CARRIED FORWARD

[See Over]

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326-S
LOS ANGELES

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SEED & PLANT CO.

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LOS ANGELES, CALIFORNIA

Date _____ 19____

AMOUNT ENCLOSED

Money Order or Draft \$_____

Check - - - \$_____

Currency - - \$_____

Postage Stamps - \$_____

Stamps may be sent for amounts of Fifty Cents or less.

Name _____

Post Office _____

County _____ State _____

How Goods are to be sent ? Mail_____Express_____Freight_____

What Express Office.....Freight Depot.....

Please fill out this order carefully so that we can fill your order quickly and get it shipped to you without delay. Page 1 tells you more about shipping.

Do you want this sent C. O. D.? If so, please be sure to send us enough money to equal 25% of your order. You should always order a sufficient quantity to get good results.

On all seed purchases of \$1.00 or over, customers may add 10 cents worth of packet seeds, which we will be pleased to include FREE OF CHARGE.

[illegible]

[See Over]

CARRIED FORWARD

GIVE US YOUR ORDER

FOR



PRONOUNCE IT "NY-SEEN"

THE PERFECT
ABSORBENT
DEODORANT
DISINFECTANT
and GERMICIDE

We now carry this in stock.

No household should be without it.

DESTROY ALL BAD ODORS

About your premises by sprinkling NICINE in the garbage can; sink; toilet; basement; laundry tubs; ice-box; foul catch-basins; sewers; cuspidors, etc.

Mix with salt to clean carpets and rugs and kill all germs.

Use in the sick-room as a perfect Disinfectant.

We can assure you when once used, NICINE will always be one of your household necessities.

Money back if not ALL claimed for it.

Now is the time to prevent the hatching of flies by using NICINE.

Price 25 cents per package



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LOS ANGELES, CALIFORNIA

PLANTING
CHARTS

PLANTING TABLES FOR SEEDS BY MONTH

NOTE—This is an all year climate and a careful perusal of this table will show you how to utilize your ground to the best advantage all year round. This table shows at a glance the best time to plant the different kinds of seeds and plants, average time to mature, and distance apart at which they should be planted.

This reference table is compiled with a great deal of care and is based on the experience of Los Angeles market gardeners.

X. Signifies best time to plant around Los Angeles. For other sections of the Southwest, local conditions must be looked into.

VARIETY	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Maturity Table	Distance to Plant
Artichoke, Globe.....	S	SX	SX	S	S	S				S	S	S	1 year	24x36 inches
Asparagus (seed).....		SX	S	S									3 years	36x18
Asparagus (roots).....	P	P	P								P	P	Second year	24x12
Beans, Broad or English..		S	S	S	S	S	S	S	S	SX	P	S	3 months	24x 6
Beans, Dwarf or Bush....			SX	SX	S	S	S	S	S				6 to 8 weeks	30x 6
Beans, Pole.....			SX	SX	S	S	S	S	S				8 weeks	36x30
Beet, Table Varieties....		S	S	S	S	S	S	S	S	SX	S	S	7 to 8 weeks	24x 6
Broccoli.....			S	S	S	S	S	S	S				3 months	36x24
Brussels Sprouts.....								S	SX				4 months	24x18
Cabbage, Early (seeds)....		PX	P	P					SX		P	P	3½ months	24x18
Cabbage, Early (plants)...			S	S					P		P	P	3½ months	24x18
Cabbage, Late (seeds)....					P	PX	P		P		S	S	5 months	36x24
Cabbage, Late (plants)...													5 months	36x24
Carrot.....	S	S	S	S	S			S	SX	SX	S	S	6 months	18x 4
Cauliflower (seeds).....							SX	SX	SX				4 to 6 months	30x18
Cauliflower (plants).....		P	P	P	P				P	P	P		4 to 5 months	30x18
Celery.....		SX	P	P	P								5 months	48x 4
Chervil.....		S	P	P	S				P	P	P	P	8 weeks	12x 4
Chives.....		P	P	P	P								2 to 3 months	12x 4
Collards.....							SX	S					4 months	36x18
Chicory.....	S	S	S	SX	S				S	S	S	S	8 weeks	12x12
Corn, Sweet.....				SX	S	S	S						2 to 3 months	36x18
Corn, Salad.....				SX	S	S	S						6 to 7 weeks	12x 6
Cress.....				S	S	S	S						1 to 2 weeks	Thickly
Cucumber.....			SX	SX	S	S	S						7 to 10 weeks	48x48
Dandelion.....			SX	SX	S	S	S			S	S	S	8 to 9 weeks	6x 6
Eggplant (seeds).....				SX	S	S	P						3 to 4 months	30x30
Eggplant (plants).....				P	P	P	P						3 to 4 months	30x30
Endive.....				P	P								8 weeks	12x 6
Garlic (sets).....													3 to 4 months	18x 4
Herbs.....					S								Sow thinly in drills	
Horse-radish (sets).....											P	P	6 months	12x 4
Kale.....						SX	S			S			2 to 3 months	24x12
Kohlrabi.....										SX			3 months	18x 4
Leek.....							SX	SX	S	S	S	S	3 to 4 months	12x 3
Lettuce.....	S	S		S	S	S		S	S	S	S	S	7 to 10 weeks	24x12
Melons, Musk.....				SX	SX	S	S						4 to 5 months	60x60
Melons, Water.....				SX	SX	S	S						3 to 4 months	96x96
Mustard.....	S	SX	SX	SX	S	S	S	S	S	S	S	S	2 to 4 weeks	Thickly
Okra.....													3 months	36x12
Onion (seeds).....									SX	SX	P	P	3½ to 5 mos.	12x 4
Onion (sets).....	P	P	P	P							P	P	3½ to 5 mos.	12x 4
Parsley.....			SX	SX	S	S	S						10 to 12 weeks	12x 2
Parsnip.....			SX	SX	S	S	S						4 months	18x 4
Peas.....					SX	SX	S	S	S	S	S	S	6 to 10 weeks	30x12 bet'n rows
Pepper (seeds).....	SX	SX											4 to 5 months	30x12 bet. rows
Pepper (plants).....							P	P	P	P	P	P	2½ to 4 mos.	24x12 bet. rows
Potato (sets).....	P	P	P	P	P	P	P	P	P	P	P	P	3 to 4 months	48x18 bet. rows
Potato, Sweet (plants)....					SX	SX							4 months	96x96 bet. rows
Pumpkin.....													3 to 5 weeks	8x 2 bet. row
Radish.....													3 years	36x36 bet. rows
Rhubarb (seeds).....				SX	SX	S	S	S	S	S	P	P	Second year	36x36 bet. rows
Rhubarb (roots).....													4 to 5 months	18x 4 bet. rows
Salsify.....													1 month	Thickly
Spinach.....				SX	SX	S	S	S	S	S	S	S	7 months	24x24 inches
Squash.....													3 to 5 months	48x48
Tobacco.....													3 to 5 months	48x48
Tomato (seeds).....	S	S	PX	PX	PX	P					S	S	8 to 10 weeks	18x 4
Tomato (plants).....														
Turnip.....							S	S	S	S	S	S		
Turnip, Swede, or Ruta- baga.....	S	S	S	S	S	S	S	S	S	S	S	S	4 to 6 months	24x12

SOWING TABLE FOR THE GARDEN—Quantity of Seed Usually Sown per Acre

Alfalfa.....lbs.,	20	Clover, Egyptian.....lbs.,	12	Rye, Peren. lawns.....lbs.,	75	Parsnip.....lbs.,	8
Artichoke, Globe.....oz.,	1	Japanese.....lbs.,	20	Rye, Italian.....lbs.,	30	Peanuts.....lbs.,	22
Artichoke, Jerusalem, lbs.,	300	Red.....lbs.,	15	Red Top.....lbs.,	30	Peas, drills.....lbs.,	90
Asparagus.....oz.,	5	White.....lbs.,	15	Timothy.....lbs.,	20	Broadcast.....lbs.,	150
Barley.....lbs.,	100	Corn, Sweet.....lbs.,	14	Hungarian.....lbs.,	40	Pepper.....oz.,	8
Beans, Bush, drills.....lbs.,	80	Field.....lbs.,	10	Mesquite.....lbs.,	35	Potatoes, cut tubers, lbs.,	600
Beans, Lima.....lbs.,	50	For Fodder.....lbs.,	150	Hemp.....lbs.,	50	Sweet.....plants	8000
Bush, hills.....lbs.,	50	Egyptian.....lbs.,	6	Kohl Rabi.....lbs.,	2	Pumpkin.....lbs.,	3
Pole, Lima.....lbs.,	40	Jerusalem.....lbs.,	6	Lettuce.....lbs.,	3	Radish.....lbs.,	12
Beet, Table.....lbs.,	6	Kaffir.....lbs.,	10	Melon, musk.....lbs.,	2	Rhubarb.....oz.,	4
Stock.....lbs.,	8	Kaffir, broadcast.....lbs.,	5	Water.....lbs.,	4	Rye.....lbs.,	100
Sugar.....lbs.,	12	Cress.....lbs.,	5	Millet.....lbs.,	50	Salsify.....lbs.,	10
Broom Corn, drills.....lbs.,	12	Cucumber.....lbs.,	2	Pearl, drills.....lbs.,	6	Sorghum, for fodder.....lbs.,	150
Broccoli.....oz.,	6	Egg Plant.....oz.,	4	Pearl, broadcast.....lbs.,	30	For Syrup.....lbs.,	10
Brussels Sprouts.....oz.,	8	Endive.....lbs.,	3	Milo Maize, drills.....lbs.,	10	Spinach.....lbs.,	10
Buckwheat, broadcast.....lbs.,	48	Flax for Seed.....lbs.,	30	Oats.....lbs.,	80	Squash, bush vars.....lbs.,	4
Cabbage, early.....oz.,	8	Flax for Fiber.....lbs.,	50	Okra.....lbs.,	10	Running.....lbs.,	3
Cabbage, late.....oz.,	8	Grass, Bermuda.....lbs.,	8	Onion, seed for dry bulbs.....lbs.,	4	Tobacco.....oz.,	3
Carrot, table.....lbs.,	6	Brome.....lbs.,	40	Onion Sets.....lbs.,	250	Tomato.....oz.,	3
Stock.....lbs.,	5	Crested Dogtail.....lbs.,	25	Seed for sets.....lbs.,	50	Turnip, broadcast.....lbs.,	3
Cauliflower.....oz.,	4	Ky. Blue pasture.....lbs.,	50	Onion Sets.....lbs.,	250	Drills.....lbs.,	3
Celery.....oz.,	4	Ky. Blue for lawns.....lbs.,	150	Parsley.....lbs.,	6	Rutabaga.....lbs.,	3
Clover, Alsike.....lbs.,	10	Orchard.....lbs.,	40			Vetches, broadcast.....lbs.,	50
Crimson.....lbs.,	15	Rye, Peren, pasture.....lbs.,	40			Wheat.....lbs.,	100

(over)

Germain

Established 1871

SEED & PLANT CO.

326-328-330 SO. MAIN ST.
LOS ANGELES, CALIFORNIA

PLANTING CHARTS

Hang this in a convenient place. It is given with the compliments of

THE BIG SEED HOUSE

Over forty years of successful seed merchandising has placed us in a position of recognized authority and reliability by many thousands of customers. Our success is built upon the solid foundation of the best goods at an honest price, and a liberality in service and courtesy that is our pride. Our large seed testing farm is now in full operation, and every shipment of seeds is given a trial under normal conditions, as well as scientific germination tests. Our information department is free to our customers, and it is a pleasure for us to note the hundreds of growers who have profited by our special literature and advice.

Complete Departments—Seeds, Plants, Trees, Poultry Supplies

PLANTING TABLES FOR FLOWER SEEDS BY MONTH

JANUARY
Germain Continue to plant lilies. Hardy Annuals may be sown out-of-doors, such as Abronia, Ageratum, Calendula, Godetia, Larkspur, California Poppy, Mignonette. All kinds of Evergreen and Deciduous Shrubs can now be planted.

FEBRUARY
Germain Start Gladioli, Dahlias, Tuberose and finish planting Lilies. Sow any hardy annuals such as Marigold, Annual Poppies and especially Sweet Peas. Half-hardy annuals such as Asters and Tuberose-rooted Begonias we recommend for the last of this month. This is the best month for Acacia seeds. Soak twenty-four hours before sowing.

MARCH
Germain Continue planting Gladioli and Dahlia Bulbs for succession. Nicotiana, Portulaca, Salpiglossis and all hardy and half-hardy annuals may now be sown with safety in the open garden. Alternanthera and all border plants raised in boxes may be planted with safety as all danger from frost is now over.

APRIL
Germain Plant Dahlias, Gladioli, Tuberose, Tuberous Begonias and all summer flowering bulbs. Continue sowing hardy and half-hardy Annuals. Watch Rose Bushes for Green Aphids and if troubled use tobacco dust freely.

MAY
Germain As Hyacinths, Tulips, Narcissus, etc., die down the bulbs should be dug and stored in a cool dry place till fall when they may be replanted. Half-hardy and other Annuals may still be sown. The garden should now be brilliant with flowers and all sowing completed this month.

JUNE
Germain Trim edgings of borders and hedges and carefully attend to watering. Sow Ten Weeks Giant Perfection Stocks for winter flowers. Start Eucalyptus and Cypress from seed for Winter planting.

JULY
Germain Dig Bulbs and store as they ripen. Sow perennial flower seeds in shady situations. Continue sowing Eucalyptus and Cypress.

AUGUST
Germain This is the best month in the year to sow hardy perennials. Most varieties sown this month will flower next year. Sow Calceolaria, Cineraria, Pansy and Primula seeds and commence planting Christmas Sweet Peas. Continue planting Eucalyptus and Cypress.

SEPTEMBER
Germain Continue sowing Christmas Sweet Peas and Pansies. Plant Roman Hyacinths. Prick off Calceolaria and Primulas sown last month into pots and continue sowing same for succession. Sow all hardy Annuals and Perennials.

OCTOBER
Germain Hyacinths, Tulips and all Dutch Bulbs should be planted freely this month; also early Lilies. Continue sowing Pansies, hardy Annuals and Perennials.

NOVEMBER
Germain Continue planting Dutch Bulbs and Lilies of all kinds. Plant Roses, Evergreens and deciduous shrubs. Form new lawns and renovate old ones. Dig and manure borders and fertilize your lawns.

DECEMBER
Germain Operation same as last month.

NUMBER OF TREES OR PLANTS TO AN ACRE

Set at Regular Distances Apart

Distance apart	No. of Plants	Distance apart	No. of Plants	Distance apart	No. of Plants	Distance apart	No. of Plants
3 by 4 inches.....	522,720	4 by 1 foot.....	10,890	6½ by 6½ feet.....	1,031	17 by 17 feet.....	150
4 by 4 inches.....	392,040	4 by 2 feet.....	5,445	7 by 7 feet.....	888	18 by 18 feet.....	134
6 by 6 inches.....	174,240	4 by 3 feet.....	3,630	8 by 8 feet.....	680	19 by 19 feet.....	120
1 by 1 foot.....	43,560	4 by 4 feet.....	2,722	9 by 9 feet.....	537	20 by 20 feet.....	108
1½ by 1½ feet.....	19,360	4½ by 4½ feet.....	2,150	10 by 10 feet.....	435	25 by 25 feet.....	69
2 by 1 feet.....	21,780	5 by 1 feet.....	8,712	11 by 11 feet.....	360	30 by 30 feet.....	48
2 by 2 feet.....	10,890	5 by 2 feet.....	4,356	12 by 12 feet.....	302	33 by 33 feet.....	40
2½ by 2½ feet.....	6,960	5 by 3 feet.....	2,904	13 by 13 feet.....	257	40 by 40 feet.....	27
3 by 1 foot.....	14,520	5 by 4 feet.....	2,178	14 by 14 feet.....	222	50 by 50 feet.....	17
3 by 2 feet.....	7,260	5 by 5 feet.....	1,742	15 by 15 feet.....	193	60 by 60 feet.....	12
3 by 3 feet.....	4,840	5½ by 5½ feet.....	1,440	16 by 16 feet.....	170	66 by 66 feet.....	10
3½ by 3½ feet.....	3,555	6 by 6 feet.....	1,200	16½ by 16½ feet.....	160		

WEIGHTS PER BUSHEL

lbs.		lbs.		lbs.		lbs.	
Alfalfa.....	60	Clover, White.....	60	Grass Seed, Crest'd Dogstail.....	20	Onions.....	57
Artichokes, Jerusalem.....	60	Aisike.....	60	Hungarian.....	48	Sets.....	32
Barley.....	48	Japanese.....	25	Mesquite.....	7	Peanuts.....	22
Beans, bush and pole.....	48	Corn, Egyptian.....	50	Orchard.....	14	Peas, round seeded.....	60
Castor.....	46	Jerusalem.....	50	Red Top.....	14	Wrinkled.....	60
Broom Corn Seed.....	46	Kaffir.....	50	Rye Grass Perennial.....	20	Potatoes.....	56
Bran.....	20	Shelled.....	56	Rye Grass Italian.....	20	Sweet.....	60
Buckwheat.....	50	Pop.....	70	Timothy.....	45	Rye.....	56
Canary Seed.....	60	Flax Seed.....	56	Hemp.....	44	Sorghum.....	50
Charcoal.....	22	Grass Seed, Blue.....	14	Millet.....	50	Vetches.....	60
Clover, Red.....	60	Brome.....	14	Milo Maize.....	50	Wheat.....	60

QUANTITY OF SEED USUALLY SOWN PER ACRE

Quantity of seed required to produce a given number of plants, or to sow a given quantity of ground

Artichoke.....	1 oz. to 500 plants	Cucumber.....	1 oz. to 100 hills	Parsley.....	1 oz. to 100 ft. of drill
Asparagus.....	1 oz. to 60 ft. of drill, 500 plants	Eggplant.....	1 oz. to 2,000 plants	Peas.....	1 lb. to 50 ft. of drill
Beans, Dwarf.....	1 lb. to 50 ft. of drill	Endive.....	1 oz. to 3,000 plants	Pepper.....	1 oz. to 1,000 plants
Beans, Tall.....	1 lb. to 75 drills	Kale.....	1 oz. to 2,000 plants	Pumpkin.....	1 oz. to 25 hills
Beet.....	1 oz. to 50 ft. of drill	Kohlrabi.....	1 oz. to 2,000 plants	Radish.....	1 oz. to 50 ft. of drill
Broccoli.....	1 oz. to 2,000 plants	Leek.....	1 oz. to 100 ft. of drill	Salsify.....	1 oz. to 50 ft. of drill
Brussels Sprouts.....	1 oz. to 2,000 plants	Lettuce.....	1 oz. to 5,000 plants	Spinach.....	1 oz. to 100 ft. of drill
Cabbage.....	1 oz. to 2,000 plants	Melon, Water.....	1 oz. to 30 hills	Squash, Early.....	1 oz. to 50 ft. of drill
Carrot.....	1 oz. to 150 ft. of drill	Melon, Musk.....	1 oz. to 100 hills	Squash, Winter.....	1 oz. to 15 hills
Cauliflower.....	1 oz. to 2,000 plants	Okra.....	1 oz. to 50 ft. of drill	Tomato.....	1 oz. to 3,000 plants
Celery.....	1 oz. to 5,000 plants	Onion Seed.....	1 oz. to 100 ft. of drill	Tobacco.....	1 oz. to 10,000 plants
Chicory.....	1 oz. to 100 ft. of drill	Onion, Top Sets.....	1 lb. to 60 ft. of row	Turnip, Early.....	1 oz. to 75 ft. of drill
Corn.....	1 lb. to 150 hills	Onion, Bottom Sets.....	1 lb. to 75 ft. of row	Turnip Rutabaga.....	1 oz. to 100 ft. of drill
Cress.....	1 oz. to 100 ft. of drill	Parsnip.....	1 oz. to 100 ft. of drill		

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LAND DEPARTMENT

In our position as caterers and advisors to the husbandmen of the Southwest for over forty years it has only within the past year been forced upon our attention that our services could be extended to the supplying of conservative Real Estate information to our actual and prospective patrons.

The personnel of our organization obviously includes experts along every line of farming and horticulture, and their efforts naturally have been largely confined to information pertinent to the seed, plant and poultry business. The demand for careful investigation and good counsel in regard to proposed locations for settlers has finally resulted in our organizing the Germain Seed and Plant Company, Land Department. This is not advanced as a catchpenny alleged free service, but is a strictly business organization under the rules and regulations of the Los Angeles Realty Board, supplemented by the technical knowledge and experience of our corps of horticultural and agricultural experts.

This combination of advisory and selling ability, backed by the reputation of the Germain Seed and Plant Company, has resulted in a most satisfactory service for the buyer and seller of farm and fruit lands in Southern California.

The technical head of this department is a man of exceptional experience in the handling of title and escrow matters, and his service is a guarantee of the speedy and safe consummation of such negotiations. In every detail the motto of "Germain Service" is paramount, and no effort or expense is spared to give our clients the results that will make them boosters for the company.

Lands for sale, lands wanted, and exchanges are provided for in our listings and from whatever your point of view you will find this department of value in your desires.

WE CAN MAKE MONEY FOR YOU

Our salesmen are selected with greatest care, first as to their honesty and reliability, second, as to their salesmanship and ability to hustle.

Our listings include the best and we are constantly alive to additional bargains to keep our lists down to date.

List with us. It will have our special attention.

Let us know your wants. We will fill them.

Real Estate is the safest investment, providing your title is good.

For the best bargains watch our advertisements in the Los Angeles papers.

WE BUY!

WE SELL!

WE EXCHANGE!

Important Suggestions--Read Before Ordering

MISTAKES AND MISUNDERSTANDINGS WILL BE AVOIDED IF YOU WILL
CAREFULLY READ THE FOLLOWING:

WRITE PLAINLY. When Ordering write your Full Name very plainly, giving Post Office, Express Office or Freight Depot as case may be, to which you wish the goods sent. If an order wherein we have been given the full and correct address is lost in the mails, we will replace same, but if lost through faulty directions given us, we cannot duplicate it free. When shipments are made by express or freight, our responsibility ceases after we have obtained a clear receipt from the transportation companies.

SEND MONEY. Remittance should always accompany the order, and may be sent at our risk by Post Office Order, Express Money Order or Registered Letter. Two cent stamps will be accepted in amounts up to one dollar. All mail orders for Mexico or other foreign points should be registered.

C. O. D. ORDERS must be accompanied by a remittance equal to one-fourth the amount of the order. We cannot send C. O. D. orders for amounts of \$1.00 or less.

SEEDS BY MAIL. Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise deduct ten cents per pound or fraction thereof.

To orders for Mexico figure 12 cents per pound.

PLANTS. All plants will be sent by express at the purchaser's expense, unless otherwise ordered, as the rate is much less than freight rate. Packages not exceeding eleven pounds may be sent by mail. When express charges are prepaid there is a special rate of eight cents per pound to any part of the United States. It is advisable, therefore, when ordering plants, to send enough money to cover mail or express charges. NO PLANTS SENT C. O. D.

OUR NURSERY STOCK is strictly first class in every particular and free from disease and insect pests. An inspector's certificate to that effect accompanies all shipments.

ORDER EARLY. It is important that you order as soon after receipt of this catalogue as convenient. You will then be sure of having your seeds when you want them. Orders are filled as received in rotation; you can help us maintain our quick service by ordering early.

LARGE AND SMALL ORDERS. Dealers and truck gardeners using seeds in large quantities will save money by writing us for prices. Small Buyers will find their order for one packet handled with the same care and promptness as a larger purchase.

GUARANTEE. Look carefully for the cause before making a complaint. Success depends as much upon the proper planting, soil, water, weather, etc., as upon the seeds. Every possible care is taken in the selection of the seeds we offer, but no warranty, expressed or implied is given, either as to name, description, or other matter. If the purchaser does not accept the seeds on the terms and conditions, they must be at once returned.



Seed Tests at Our Trial Grounds

Please remember that above all we want you to be a satisfied customer. No matter what your complaint, we prefer that you tell us, rather than your neighbor, or that you should think it over by yourself. In all frankness we will say that the great majority of little claims settled are not the fault of our goods or methods, but are adjusted to the satisfaction of the buyer through our desire to "go more than half way."

Our special recommendations are indicated in the catalogue with the little signature *Germain* and your special attention is directed to these items. In some cases the prices may be a trifle over the ordinary, but you may be sure that the quality is worth many times as much.

Write our information department for special literature or personal letter upon any subject upon which you are in need of enlightenment.

SELF PRAISE

"Tooting his own horn" has been a common expression for many generations, yet in every publication with the contemplated effort of selling goods it becomes necessary to say something in a personal way about the individual or company issuing the literature. We are more than proud to appear to the tens of thousands of buyers of the Southwest through this annual catalogue for the forty-second time. In all these years there has been followed the precept of the founder of the house—"a dollar's worth for a dollar, even if it costs us a dollar and a quarter sometimes." This policy has of course been subject to the small failings of human efforts, but with the scientific development of modern business methods have been minimized to the point that we can today point to our thousands of customers with assurance that they will all acknowledge the quality goods, fair prices and honest dealing of the Germain Seed and Plant Company.

It is true that profits become less with the increased expense of perfected service and the highest grade of goods in a competitive market, but a visit by anyone to our store or warehouse or seed farm will convince him that there is more than dollars and cents in the modern contemplation of a business enterprise. We have a pride in our individuality and standing before the buying public that prompts the utmost efforts toward maintaining our position as the leading concern in the business of this great empire on the South Pacific slope.



Field Tests at our Trial Grounds. Here are Grown Vegetables that are Today Commanding

Flower Seed Farm

One of the most noteworthy deals ever announced by the Germain Seed & Plant Company was the assumption of the management of the famous flower seed farms of the Victor Johansen Seed Company at Arroyo Grande, Cal. We say famous, because from these great gardens have gone the largest percentage of its varieties of flower seeds to all the dealers in the United States for many years. The founder of these farms was many years in the business of seed culture among the most celebrated seed gardens of Europe, and today the personal direction of Mrs. M. N. Johansen and her immediate family is given to every detail of the business. This personnel is in itself a guarantee of the excellence of the products of the farms.

It is one of the sights of that part of the state to visit these broad acres. Field upon field lay before the eye in a most gorgeous riot of color with the bloom of Sweet Peas, Asters, Candytuft, Carnations, Centaureas, Daisies, Eschscholtzias, Hollyhock, Mignonettes, Nasturtiums, Stocks, Verbenas, Zinnias, and many others. It is a revelation to the visitor as one of the important industries of the state, and an example of the wonderful results of applied technical knowledge.



Victor Johansen Seed Co.'s flower seed farm at Arroyo Grande, Cal.

Seed Testing

No one but a seedsman knows of the pitfalls in buying stocks of seeds. One of the principal difficulties lies in determining the germination properties of the seed, and it is with great pride and satisfaction that we announce this year the complete establishment of our trial grounds, or seed testing ranch, where every new stock is given its final trial of growing percentage and productivity, and not only is the germinating quality of the seed determined, but the plant is cultured to complete maturity, so that the seed from which it grew may properly receive the name of quality—Germain Seed and Plant Company—on the package.

These trial grounds are under the superintendence of J. P. Gonner, a gentleman of life long experience in vegetable growing, particularly in the market gardens of France, where he catered to the large cafes and first-class hotels. His methods, therefore, are practical and without favor to the seeds, as might be the case where the cultural director used hothouse processes. The illustrations accompanying are photographic evidences of the extent and nature of these gardens, and interested patrons of the house are welcome to inspect the grounds at any time.

The products from our testing farm are sold to produce dealers, in the open market, at the highest prices, which is another proof of the superior quality of the seed from which they are grown. Here also are propagated the cabbage, eggplant, tomato and many other plants sold in our plant department.



the Highest Prices from the Produce Dealers. The Safest and Surest Test Known.



Sixth Grade
CHARLOTTE AVE SCHOOL - MONROVIA
 Prize Winner for 1913

What could be a more vivid illustration of a true reduction of the "high cost of living" than the above photographs of the results of the efforts of sixth grade school children during the odd minutes allowed them from their studies and home duties? In this land of fertile soils and growing climate, no department of modern education is of greater economic value than the teaching of the details of husbandry.

The young mind is quick to appreciate the personal pleasure of being the director of plant growth, as well as understanding the value of the product, and it is to the coming generation of producers that the nation will owe its prosperity, and every educator and every parent owes a duty to the children of today—the opportunity and encouragement of growing things of value and beauty. The many ugly houseyards and odd corners of every community would be green beds of choice vegetables or flowering with brilliant color had the youth of a few years ago been educated in the essential details of planting and cultivation.

GERMAIN'S CONTRIBUTION—As an evidence of this company's sincerity in the importance of the subject we are giving this valuable page, and offer to the schools not only the following low priced collections of seeds but a PRIZE OF TEN DOLLARS for the best photograph of a school garden grown from these seeds. This prize will be paid in cash on July 1st, next, when the contest is closed. Photographs should be plainly marked with the name of the school, the principal, and with the address of person sending the picture.

Collections

COLLECTION A, 50c. REGULAR PRICE 75c.

1 pkg. Beans	1 pkg. Cabbage	1 pkg. Lettuce	1 pkg. Sweet Peas (Mixed)
1 " Corn	1 " Carrots	1 " Musk Melon	1 " Poppy
1 " Beet	1 " Radish	1 " Water Melon	1 " Daisy
	1 " Cucumber	1 " Cosmos	1 " Forget-me-not

COLLECTION B, \$1.00. REGULAR PRICE \$1.40.

2 pkgs. Beans	2 pkgs. Lettuce	1 pkg. Sweet Peas, Mixed
1 " Corn	1 " Musk Melon	1 " California Poppy
1 " Beet	1 " Water Melon	1 " Daisy
1 " Cabbage	1 " Squash	1 " Forget Me Not
2 " Carrots	2 " Turnip	1 " Cosmos, Mixed
2 " Radish	2 " Spinach	1 " Shirley Poppy
1 " Cucumber	1 " Nasturtium, Tall	1 " Nasturtium, Dwarf

COLLECTION C, \$1.50. REGULAR PRICE \$2.60.

2 pkgs. Beans	2 pkgs. Musk Melon	1 pkg. English Daisy
2 " Corn	2 " Water Melon	1 " California Poppy
1 " Beet	2 " Squash	1 " Pansy, Mixed
1 " Cabbage	2 " Turnip	1 " Shirley Poppy
2 " Carrot	2 " Peas	1 " Sunflower
3 " Radish	2 " Spinach	1 Sunset Collection Sweet Peas
2 " Cucumber	1 " Cosmos	1 pkg. Casad's Improved Musk Melon
2 " Lettuce	1 " Dwarf Nasturtium	(See description page 20)
	1 " Tall Nasturtium	

NOTICE.—We have had a great many inquiries for our catalogue to be used as references and guides. We will be pleased to mail any reasonable number to help you in your School Garden Work.



Germain's

HOME GARDEN COLLECTIONS

The amateur gardener, not familiar with the different kinds, will find these collections a simple solution of the problem of selection. While the prices of collections are much lower than the regular list, we use only seeds of the highest quality, but being enabled to put them up during leisure time, the saving goes to the buyer. No changes will be made in the assortment. Orders can be filled immediately on receipt.

SMALL VEGETABLE GARDEN, PRICE 50 CENTS PREPAID

1 pkt. Beet	1 pkt. Cucumbers	1 pkt. Watermelon	2 pkt. Radish (long and turnip)
1 pkt. Cabbage	1 pkt. Lettuce	1 pkt. Onion	1 pkt. Tomato
1 pkt. Cauliflower	1 pkt. Peas	1 pkt. Parsley	1 pkt. Turnip
1 pkt. Carrot	1 pkt. Muskmelon	1 pkt. Parsnip	

MEDIUM VEGETABLE GARDEN, PRICE \$1.00 PREPAID

½ lb. Peas, Early	1 pkt. Cauliflower	1 pkt. Egg Plant	1 pkt. Onion
½ lb. Peas, Late	1 pkt. Carrot	1 pkt. Kohl Rabi	1 pkt. Parsley
½ lb. Beans, String	1 pkt. Celery	1 pkt. Leek	1 pkt. Pepper
½ lb. Beans, Wax	1 pkt. Sweet Corn	1 pkt. Lettuce	1 pkt. Pumpkin
1 pkt. Beet	1 pkt. Cucumber	1 pkt. Muskmelon	1 pkt. Turnip
1 pkt. Cabbage	1 pkt. Corn Salad	1 pkt. Watermelon	2 pkts. Radish, Long and Turnip
			1 pkt. Tomato

LARGE VEGETABLE GARDEN, \$2.50 PREPAID

1 lb. Peas, Early	1 oz. Carrot, Danvers	1 oz. Lettuce, Curled	2 oz. Radish, Long
½ lb. Peas, Late	1 pkt. Celery	2 pkts. Muskmelon	2 oz. Radish, Turnip
1 lb. Beans, String	½ lb. Sweet Corn	1 pkt. Watermelon	1 pkt. Rhubarb
½ lb. Beans, Wax	2 pkts. Cucumber	1 pkt. Mustard	1 oz. Spinach
1 oz. Beet	1 pkt. Corn Salad	1 pkt. Onion, White	1 pkt. Squash
1 pkt. Brussels Sprouts	1 pkt. Egg Plant	1 pkt. Onion, Yellow	1 pkt. Tomato, Early
1 pkt. Cabbage, Early	1 pkt. Kohl Rabi	1 oz. Parsley	1 pkt. Tomato, Late
1 pkt. Cabbage, Late	1 pkt. Kale, Tall Scotch	1 oz. Parsnip	1 oz. Turnip, White
1 pkt. Cauliflower	1 pkt. Leek	2 pkts. Pepper	1 pkt. Turnip, Yellow
1 oz. Carrot, Long	1 oz. Lettuce, Head	1 pkt. Pumpkin	1 pkt. Sage
			1 pkt. Thyme

GERMAIN'S COUNTRY HOME COLLECTION, PRICE \$5.00

Sent by Express prepaid free to any express office in the U. S. or Mexico. This includes a copy of "Practical Farming and Gardening," a standard book which sells for \$2.00 retail.

1 lb. Peas, Impd. Yorkshire Hero	1 oz. Cucumber, White Spine	1 oz. Pumpkin, Mammoth Tours
1 lb. Peas, Amer. Wonder	1 oz. Cucumber, Long Green	2 oz. Radish, Scarlet Turnip
1 lb. Beans, 6 Weeks	1 pkt. Egg Plant, New York	2 oz. Radish, French Breakfast
1 lb. Beans, Golden Wax	1 pkt. Endive, Green Curled	1 oz. Radish, White Icicle
1 lb. Beans, Ky. Wonder	1 pkt. Kale, Dwarf Curled	1 pkt. Salsify, Sandwich Island
1 oz. Beet, Eclipse	1 oz. Lettuce, Big Boston	1 oz. Spinach, Prickly
1 oz. Beet, Edmund Blood Turnip	1 oz. Lettuce, Iceberg	1 oz. Spinach, Round
1 pkt. Brussels Sprouts	1 oz. Muskmelon, Rockyard	1 oz. Squash, Hubbard
1 pkt. Cabbage, Winnigstadt	1 pkt. Muskmelon, Hackensack	1 pkt. Squash, White Bush
1 pkt. Cabbage, Succession	1 oz. Watermelon, Germain's Chilian	1 pkt. Tomato, Beefsteak
1 pkt. Cabbage, Drumhead	1 pkt. Okra, White Velvet	1 pkt. Tomato, Stone
1 oz. Carrot, Long Orange	1 oz. Onion, New Queen	1 oz. Turnip, Purple Top Strap Leaf
1 oz. Carrot, Danvers	1 pkt. Onion, Red Wethersfield	1 oz. Turnip, Golden Ball
1 pkt. Cauliflower, Snowball	1 pkt. Onion, Yellow Danvers	1 pkt. Sage
1 pkt. Celery, Golden Self-blanching	1 oz. Parsley, Moss Curled	1 pkt. Thyme
1 lb. Sweet Corn, Stowells	1 oz. Parsnip, Hollow Crown	1 pkt. Sweet Marjoram
1 lb. Sweet Corn, Early Mammoth	1 pkt. Pepper, Mexican Chili	1 Book, "Practical Farming and Gardening," Selling Price \$2.00
1 pkt. Corn Salad	1 pkt. Pepper, Sweet Mountain	

VEGETABLE SEEDS

ARTICHOKE

Alcachofa Artischoke Artichaut
CULTURE—Sow any time except during hottest weather, when all seed beds require special care. Soil should be a free, moist loam and seeds should be planted an inch deep. Plant out when six inches high in rows four feet apart each way. Save offsets from best plants for new supply, as artichokes never come true from seed. Some will prove inferior. When planting seedlings, reject those with spiniest leaves.
Germain **LARGE GREEN GLOBE.** The favorite garden Pkt / Oz. 1/2 lb 1 lb.
 variety. \$ 10 \$ 35 1 15 \$ 3 50
 Plants of large Green Globe Artichoke, see page 70.

ASPARAGUS

Esparrago Spargel Asperge
CULTURE—Soak seeds twenty-four hours before planting. Sow in February in beds broadcasted or in rows, covering about one inch. The following January transplant to rows three or four feet apart and a foot apart in the row, with at least six inches of soil over the roots. Light sandy soils are preferable.

NOTE: By planting two year old roots, much time and labor will be saved. See prices of roots on page 70.

ARGENTEUIL. The favorite in the Paris markets, and exceedingly popular wherever grown in the United States. The stalks grow to an enormous size, cook tender, of delicious flavor. Pkt / Oz. 1/2 lb 1 lb.
 \$ 10 \$ 15 \$ 50 \$ 1 25

Germain **PALMETTO.** Standard among the asparagus shippers of California is the Palmetto, and *Germain*'s has gone to a really unwarranted expense to get seed from the most perfect first growth stock. This strain grows to mammoth proportions, and very even in size, which makes it especially popular with shippers. The shoots are a light green, slightly tinted with pink, and are tender to an unusual length. No one will be disappointed with the productiveness and fine edible qualities of the Palmetto Asparagus.

SNOWHEAD. A tender, fine-flavored and productive variety, having the advantage over other kinds in that it does not discolor when exposed to the sun's rays. Large white stalks. Pkt / Oz. 1/2 lb 1 lb.
 05 10 30 1 00
 10 25 80 2 50
 05 10 25 85

BARR'S MAMMOTH AND CONOVER'S COLOSSAL.

BEANS

LIMA BEANS

To insure a better yield get some Farmogerm. See pages 32 and 33.

Frijole N. B. Bohnne Haricot Nain
 include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Beans for the home garden should be a continuous summer crop, and sowings may be made from the middle of March to September. Plant two inches deep and two feet apart. Have drills one and one-half to two and one-half feet apart, according to variety; directions will be found on individual packets for the respective sorts. The average amount needed to plant an acre is fifty pounds. One pound will sow one hundred feet of drill. They will thrive in any good soil. Best results will be obtained by inoculating the seed. See pages 32 and 33.

Germain RECOMMENDS

FORDHOOK BUSH LIMA BEANS

The old fashioned name of "butter bean" given to lima beans can be best appreciated when eating this delicious variety fresh from your own garden. There are from three to five beans in each pod, which grows in clusters of from two to five on long spikes, which makes the picking easy where the beans are eaten green. The bush is a vigorous grower, reaching a height of two feet, erect and strong. *Germain*'s has long recognized the Fordhook as a splendid variety and this year succeeded in getting a stock of seed which could be placed among the specialties, which means the buyer is getting absolutely the best. Price, packet, 10 cents; one pound, 35 cents; ten pounds, \$1.75; one hundred pounds, \$16.00.

BURPEE'S BUSH LIMA. Splendid dwarf Lima; large and of excellent quality. Pkt / 1 lb 10 lb 100 lb
 05 25 1 20 10 00

Germain **BURPEE'S IMPROVED BUSH LIMA.** The earliest maturing of all the large seeded Limas. Pods very large, thick, and contain usually four beans, which are unusually thick, of largest size and excellent quality. Pkt / 1 lb 10 lb 100 lb
 10 35 1 75 14 00

FORDHOOK BUSH LIMA. See specialty above.

HENDERSON'S BUSH LIMA. A dwarf variety of the Sieva or Southern Lima; produces enormous crops. Pkt / 1 lb 10 lb 100 lb
 05 30 1 50 12 00

Germain **KING OF THE GARDEN LIMA.** A vigorous grower, bearing profusely; large pods, five to eight inches. Beans large and of rich flavor. Pkt / 1 lb 10 lb 100 lb
 05 25 1 20 10 00

BROAD BEANS

Germain **ENGLISH, OR BROAD WINDSOR.** The celebrated Pkt / 1 lb 10 lb 100 lb
 broad bean of England, growing on a strong stalk two feet high; beans eaten shelled. \$ 05 25 1 00 7 50



PALMETTO ASPARAGUS

FORD-
HOOK
BUSH
LIMA
BEAN



BEANS

See page 35 for other varieties, such as Bayou, Black Eye, Castor, Mexican Pink, Small Navy, Lady Washington, Soja.

INEXPENSIVE BEAN FERTILIZATION

Beans of all kinds respond most readily to fertilization by inoculation. We call your special attention to the testimonial of Mrs. Webster Wotkyins, of Newport, Cal., as to results obtained through the use of Farmogerm on beans. Be sure to read pages 32 and 33. Results are enormous—the cost two dollars and less per acre.



BURPEE'S STRINGLESS GREEN POD



DWARF OR BUSH

GREEN POD

Germain **BURPEE'S STRINGLESS GREEN POD.** The Stringless Green Pod is recognized as being one of the best beans offered for market garden or general use. In point of earliness, it ranks among the first, and is excelled by none in bearing ability and in good quality. It is one of the greatest green pod beans to date. The pod is very brittle, long and round and is entirely without strings. It is about five inches in length, green in color, very tender, and of the highest and best flavor, remaining for a long while in eatable condition, and bearing continuously for weeks. . . .

Germain **CANADIAN WONDER.** This is a strong growing bush variety, bearing large numbers of flat, handsome pods, long and very tender, and with excellent flavor. They are widely known as the best for winter use, and are valuable both to the market gardener and for the home garden. . . .

DWARF HORTICULTURAL OR CRANBERRY. A fine shell variety. Pods medium length, broad and thick, curved with splashes of bright red on a yellowish ground. . . .

EARLY MOHAWK. Hardier than other sorts. May be planted earlier and will often furnish beans before any other kind. . . .

EXTRA EARLY REFUGEE. Very early, prolific; fine quality; a great favorite for canning. . . .

FRENCH MOHAWK. A favorite variety, productive. Fine flavor. . . .

IMPROVED YELLOW SIX WEEKS. A favorite variety; very quick growing, with green, flat pods, which are thick and meaty. The seed when fully ripe is yellow, hence the name. It is a well known market variety, tender and of good flavor; . . . good market variety, as it is a very heavy cropper. . . .

WAX OR YELLOW-PODDED

Germain **IMPROVED GOLDEN WAX.** This bean is a distinct improvement on the old Golden Wax. It is a stronger grower, more prolific and not subject to disease like the Golden Wax. The pods are flat and straight and are grown in great profusion, and we commend it to the public as a superior bush wax bean—one of the most popular varieties for either market or general garden use. . . .

IMPROVED PROLIFIC BLACK WAX. In every respect first-class; pods round, a beautiful bright yellow color, very early and continues long in bearing; handsome and immensely productive. . . .

REFUGEE WAX. A handsome, round-podded variety, extremely productive, bearing large, fleshy, wax-like pods of splendid quality. . . .

Germain **VENTURA WONDER WAX.** This bean is of California origin, and a very valuable addition to the wax varieties. It is a stocky variety of bush, bearing large numbers of long flat, yellow podded beans, containing white seed, that have a fine flavor. Either used as a snapped bean or dried for winter use. We recommend this bean either for market or general gardening. . . .

POLE, OR RUNNING BEANS

Frijole de Bejuco Stangenbohne Haricot a Rames

N. B. Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Sow in a rich soil, in well manured hills, three feet apart each way covering to a depth of two inches. In each hill set a pole eight or ten feet long, around which plant five or six beans, afterward thin out leaving four strong plants to each hill.

ASPARAGUS, OR YARD LONG. Interesting and popular Pkt 1 lb. 10 lb among those who raise it, this bean is still a novelty to many gardeners. No more tender or finer flavored bean ever went into the pot. Every housewife will appreciate the entire absence of strings in the Asparagus Bean, and it should be grown in every home garden. . . .

DUTCH CASE KNIFE. A very good pole bean; early; pods broad and long; used as snap and shell. . . .

Germain **KENTUCKY WONDER OR OLD HOMESTEAD.** This bean is very early and enormously productive, the long green pods hanging in clusters on the poles. They are entirely stringless and very tender. It has long been known as a favorite, as it meets with a ready sale on the early market and is considered a delicacy in the home garden. . . .

KENTUCKY WONDER WAX. Similar to above, yellow pods **LAZY WIFE.** Pods six to eight inches long, entirely stringless, of a rich, buttery flavor as a snap bean; also a good white shell bean for winter. Of the finest flavor. . . .

LONDON HORTICULTURAL, OR SPECKLED CRANBERRY. Vines vigorous, with large light-colored leaves; pods short, broad, pale green, becoming streaked with red as they mature; good either green or dry. . . .

SCARLET RUNNER. Ornamental and useful. The vine is graceful; flowers of a brilliant scarlet, and the beans are of excellent quality, shelled or in a dry state. . . .

WHITE KENTUCKY WONDER. A novelty of recent introduction, possessing all the qualities of its green-pod namesake. . . .



VENTURA WAX



Pkt	1 lb	10 lb	100 lb
\$ 05	\$ 30	1	40
05	25	1	25
05	25	1	25
05	25	1	20
05	25	1	20
05	25	1	20
05	25	1	20
05	30	1	40
05	25	1	25
05	25	1	25
05	30	1	50

WRITE FOR PRICES

WRITE FOR PRICES

BEETS

TABLE BEETS

Remolacha

Rothe Ruebe

Betterave

CULTURE—Sow in any month in the year, in drills eighteen inches apart and thin three or four inches apart in the row. Keep soil moist, free from weeds and well stirred. The young beets pulled out of the row are excellent used as spinach.



RECOMMENDS

CROSBY'S EGYPTIAN BEET

Among all the table beets there is probably no other which has been so often featured by seed houses, where a first class stock of seeds could be obtained. A good purchase by one of our buyers causes us to put the Germain mark of approval on this variety this year by placing it among our specialties. Many experienced growers say "Crosby's Egyptian is the only beet worth planting," and while this may be somewhat of an exaggerated opinion, we will unhesitatingly recommend this lot of seed as being the best that money can buy. Crosby's Egyptian is a medium sized beet, very early and of small top. It grows smooth and the deep crimson flesh is sweet and tender. Price, Packet 5 cents; ounce 15 cents; $\frac{1}{4}$ pound 50 cents; pound \$1.50.

BASSANO. Early, flat, light color, fine quality.....

CROSBY'S EGYPTIAN. See specialty above.

EDMUND'S BLOOD TURNIP. A market-gardener's strain, of great regularity in shape, deep blood skin and very dark flesh of best quality.....

 **EXTRA EARLY ECLIPSE.** Eclipse is a well known variety of table beets. Nearly as early as the Egyptian. It is nearly round in shape and has a small top, while the flesh is fine grained and tender with bright red color.....

EXTRA EARLY EGYPTIAN. Very early, of dark blood color, rather flat shape.....

 **LONG BLOOD.** A splendid variety of fine flavor and of long, symmetrical shape.....

SWISS CHARD, OR SILVER. Cultivated for its leafstalks, which are served up like asparagus, and for its leaves, cooked like spinach. Cut often, as new stalks will be produced.....

Pkt	Oz.	$\frac{1}{4}$ lb	1 lb
05	15	50	1 50
05	15	50	1 50
05	15	50	1 50
05	15	50	1 50
05	15	50	1 25
05	15	45	1 25

STOCK BEETS

See page 35.

SUGAR BEETS

These varieties are also excellent for stock feeding.

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

LANE'S IMPROVED IMPERIAL. Probably more largely grown than any other sugar beet for feeding to stock. It will yield as much as mangel and contains a large per cent. of sugar. Pkt 1 lb 10lb 100lb

KLEIN WANZLEBEN. This splendid sugar beet is one of the greatest milk producing roots known; in shape conical, straight and even, large at the head and rapidly tapering. Every stock raiser should plant this fine sort. 05 40 2 50

 **VILMORIN'S IMPROVED WHITE.** A much improved variety of the White Silesian, extensively cultivated as a sugar-producing beet; very valuable. 05 40 2 50

Write for prices.

BROCCOLI

Brocoli

Spargelkohl

Brocoli

CULTURE—Sow any time except hottest months and transplant to rows two to three feet and plants eighteen inches apart in row. Water freely, as a dry spell will permanently check the growth, and weeds should be kept down by thoroughly stirring the soil.

PURPLE CAPE. Produces fine heads of purplish-brown color... Pkt \$ 05 \$ 30 \$ 85 \$ 3 00

 **WHITE CAPE.** Heads of medium size, compact, of creamy-white color..... 05 30 85 3 00

BRUSSELS SPROUTS

Berza de Bruselas

Rosenkohl

Chou de Bruxelles

CULTURE—Sow in September and October and treat same as Cabbage.

 **HALF DWARF PARIS MARKET.** A half-dwarf sort, bearing handsome crops of round, hard sprouts of the finest quality..... Pkt Oz. $\frac{1}{4}$ lb 1 lb 05 15 50 1 50



This Signature

[8]

Denotes Our Recommendation



CROSBY'S EGYPTIAN BEET



BRUSSELS SPROUTS

CABBAGE

Col Repollo

Kopfkohl

Chou Pomme

CULTURE—Sow in September and October for early crops, broadcast in beds. Transplant to rows three or four feet apart and twelve to eighteen inches apart in row, the early sorts requiring the least room. Seeds for a succession of crops should be sown each month. Cabbage of all sorts require a deep, loose, rich soil, kept moist at all times and well cultivated. A check in growth results in immature headings and later care will not remedy previous neglect. Quality in cabbage seed is of the utmost importance, as no satisfactory results can possibly be obtained from poor seed; one ounce will produce 2000 plants.

Cabbage Plants, see page 70.



EARLY WINNIGSTADT

Germain

RECOMMENDS

EARLY WINNIGSTADT CABBAGE

Hundreds of carloads of this variety of cabbage are shipped out of Southern California every year—reason enough why we should search for the most perfect strain for our leader in cabbage seed. It grows a solid head, yet of tender texture, and has shown the most wonderful shipping qualities. The type has become so well established that Winnigstadt is standard among many buyers, and our selection this year merits the variety a place among our specialties. Early Winnigstadt is not only an early cabbage, but can be rotated through the season, and is withal the most nearly ideal variety that we have known. **Price, packet 10c; ounce 20c; 1/4 lb. 60c; lb. \$2.00.**

POINTED, OR OBLONG VARIETIES

	Pkt	Oz.	1/4 lb	1 lb
EARLY WINNIGSTADT. See specialty above.				
EARLY YORK. An old favorite, with solid, pointed heads.	05	15	60	1 50
Standard English sort.				
SELECTED EARLY JERSEY WAKEFIELD. A favorite sort.	10	20	60	2 00
Heads very compact, solid and conical shape, few waste leaves.				

FLAT, OR ROUND HEAD VARIETIES

	Pkt	Oz.	1/4 lb	1 lb
ALLHEAD EARLY. Very early cabbage of the large early sort, and cannot be recommended too highly; remarkably uniform.	05	15	50	1 50
COPENHAGEN MARKET CABBAGE. The earliest large round-headed cabbage yet introduced. Leaves medium light green, nearly round, thick and smooth. The heads are round, very solid and of exceptionally good quality. We recommend it unreservedly both for the home garden and market garden.				
DANISH BALLHEAD OR HOLLAND. The hardest round-headed variety in cultivation. The best for winter keeping.	15	70	2 30	7 00
DRUMHEAD SAVOY. Fine quality.	10	45	1 25	4 50
ETAMPES. Fine small, extra early variety with pointed heads.	05	20	60	2 00
FOTTLER'S BRUNSWICK. This is a good second early variety, short stemmed, heads solid and compact, weighing from ten to fifteen pounds each, and is sure to head.	10	45	1 25	4 00
HENDERSON'S SUCCESSION. An excellent second-early sort on style of All-Seasons.	05	20	60	2 00
IMPROVED EARLY SUMMER. A superior second-early sort, produces large and solid heads of fine quality.	05	20	60	2 00
LARGE LATE DRUMHEAD. A standard winter cabbage.	05	20	60	2 00
MARBLEHEAD MAMMOTH DRUMHEAD. The largest sort, often weighing from fifty to sixty pounds.	05	20	60	2 00
SELECTED ALL-SEASONS. One of the finest for second-early or late, growing to a large size quickly.	05	20	60	2 00
SELECTED EARLY FLAT DUTCH. Very hardy, handsome, very solid, of fine quality, and as one of the very best keepers, it is particularly desirable for distant markets or for late spring use. Compact growing, with long stems and exceedingly hardy in resisting cold and dry weather.	05	20	60	2 00
<i>Germain</i> SELECTED LATE FLAT DUTCH. A low-growing variety; heads large, bluish green, round, sound, broad and flat on top; an excellent fall and winter variety; good keeper.	05	20	60	2 00
SUREHEAD. One of the best main crop cabbages.	05	20	60	2 00

CHINESE CABBAGE

(Follow Cultural Directions on Lettuce.)

CHINESE—Occidental races have always been slow to absorb anything from the Chinese, but it is surprising that so few people have learned to appreciate the value of the Chinese Cabbage, a type that has been maintained for hundreds of years by that race. It is largely grown for Chinese consumption, and it only remains for Americans to find out its merits to make it popular. It is tender, crisp, blanches itself perfectly, and is equally good raw or cooked. **Packet 10 cts.; ounce 75 cts.**

RED CABBAGE

Plants, see page 70.

RED DUTCH OR PICKLING. Fine, solid, dark red heads.

Pkt	Oz.	1/4 lb	1 lb
05	20	60	2 00

CHINESE CABBAGE

Germain

This Signature

[9]

Denotes Our Recommendation

CARROTS

Zanahoria

Moehre

Carrotte

CULTURE—Sow any time in deep, loose soil, preferably sandy loam about one-half inch deep, in rows eighteen inches apart and thin to three inches apart. Water freely at all times. The carrot is one of the most wholesome and nutritious of our garden roots, deserving to be more extensively used for culinary purposes and we urge our readers to give some of the early table sorts a trial. For feeding stock, especially horses and milch cows, the carrot cannot be surpassed, and it should be more largely grown by farmers for this purpose. One ounce of seed will sow about 150 feet of row. Four pounds to the acre.



OXHEART CARROT



GERMAIN RECOMMENDS

OXHEART, OR GUERANDE, CARROTS

The common tendency of carrots to grow woody or pithy is least noticeable in this improved and popular strain. This variety may be left in the ground longer than any other without developing these depreciating qualities. The Oxheart is a short carrot growing about 4½ inches long and about 3½ inches thick at the shoulder, with a slight taper to the stump rooted bottom. For this reason it is especially desirable for heavy soils, which also grow the best carrots. The flesh is a bright orange, smooth grained and sweet, and it is equally fine for table use or stock feeding. We are pleased to include this variety in our specialties this year, and our selection of this season puts it among the stocks which we can guarantee. Price, packet 5 cents; ounce 15 cents; ¼ pound 50 cents; pound \$1.50.

<i>Germain</i>	EARLY CHANTENAY. This is the best early carrot grown for market gardeners. Six inches long, stump rooted, smooth, deep red, fine grained and sugary, not apt to crack	Pkt	Oz.	¼lb	1 lb
	EARLY FRENCH FORCING. The earliest variety, largely grown for forcing; globular-shaped root of orange-red color.	\$ 05	15	50	\$1 50
	EARLY SCARLET, OR SHORT HORN. One of the most popular varieties for table use; color deep orange.	05	15	50	1 50
<i>Germain</i>	IMPROVED DANVERS HALF LONG. A first-class carrot for all soils; in form midway between Long Orange and Short Horn. Of a rich, dark orange color, very smooth and handsome; twenty to thirty tons per acre is not an unusual crop.	05	15	50	1 50
<i>Germain</i>	IMPROVED LARGE WHITE BELGIAN. Very productive; for stock-feeding exclusively; grows one-third out of ground. Roots white; green above ground.	05	10	35	1 00
	IMPROVED YELLOW BELGIAN. Same as White Belgian, excepting in color.	05	10	35	1 00
	IMPROVED LONG ORANGE. A well-known standard sort; roots long, thickest near the crown, tapering regularly to a point; color deep orange. Suitable for the table and main field crop.	05	15	50	1 50
	OXHEART OR GUERANDE. See Specialty above.				

CAULIFLOWER

Coliflor

Blumenkohl

Chou-fleur

CULTURE—Sow early varieties after July 1; late varieties in the spring, in deep, loose soil, broadcasted, and transplant to fifteen inches apart in rows two and a half to three feet apart, and give careful culture and watering at all times, as checked growth brings poor results. One ounce of seed will produce 2000 plants. Cauliflower Plants, see page 70.

GERMAIN RECOMMENDS

GERMAIN'S DRY WEATHER CAULIFLOWER

The name alone should recommend this variety to many growers of the Southwest. It has a wonderful resistance to drought and reaches perfection when ordinary sorts fail, which should appeal even to the careless gardener. On the other hand it responds equally to moist seasons or the usual irrigation, making large, white solid heads that command the highest price. Dry Weather is a little later than Snowball, but is a free producer and never fails to please the grower. It is an item one should not omit from the vegetable seed order. Price, packet, 25 cents; ¼ ounce 75 cents; ounce \$2.50; ¼ pound \$7.00; pound \$25.00.

<i>Germain</i>	EXTRA EARLY ERFURT. Remarkably sure heading, early variety, of dwarf habit; similar, though not as early as Snowball.	Pkt	¼oz	1 Oz	¼lb	1 lb
	HENDERSON'S EARLY SNOWBALL. A variety held in great esteem by market gardeners for its earliness and reliability as a sure header.	25	75	2 50	7 00	25 00
	LARGE ALGIERS. A splendid late variety, eminently adapted for growing in Southern California; heads large, white, solid. One of the best for market gardeners. Our stock is extra fancy. Plant in this vicinity in May.	25	1 25	4 20	12 00	42 00
	LENORMAND'S SHORT STEMMED. A compact grower, very hardy, heading late, producing many protecting leaves.	05	35	1 00	3 50	12 00
	VEITCH'S AUTUMN GIANT. A large, late sort of robust habit; heads compact, large outer leaves. Succeeds well in southern latitudes.	05	25	80	2 25	8 00



GERMAIN'S DRY WEATHER CAULIFLOWER



CELERY

Aplo

Sellerie

Celeri

CULTURE—Sow from February to May in drills one foot apart. Later, usually in June, transplant to rows four feet apart and six inches apart in row. Rows should be furrowed out so plants may be set six inches deep. Later soil may be banked against rows for blanching, even so-called self-blanching varieties needing the cool, moist soil to render the stalks crisp and tender, but this should not be done until a few weeks before harvesting. One ounce of seed will produce 5000 plants.

GOLDEN SELF-BLANCHING CELERY SEED (French Stock)

The trial ground test in comparison with samples of seed from thirty growers should prove the selected lot to be as fine seed as can be produced. This is exactly the test we applied to this year's stock of this variety, and even at the present high price of celery seed we are satisfied we are offering the greatest value for the money in this tried and true sort. Celery seed has for many years been a strong item with Germain's for purity and high quality, but with the establishment of our testing grounds we are in a better position than ever to praise this item. It is a thrifty variety, growing 18 to 22 inches in height, very stocky, heavy, perfectly solid and a splendid shipper. It is mild but characteristically flavored, and from every point of analysis is entitled to the mark of approval of this house. Packet 25 cents; ounce \$3.00; ¼ pound \$10.00; pound \$30.00; plants 25c per doz.



GOLDEN SELF-BLANCHING CELERY



Field of Golden Self-Blanching Celery at our Trial Grounds

BOSTON MARKET. One of the best of the white varieties; early and hardy.....	Pkt	Oz.	¼ lb	1 lb
CHINESE GREEN TOP. The best "Green Top" variety grown; largely grown by Chinese gardeners.....	05	15	50	1 50
GIANT PASCAL. Stalks very large, thick, solid, crisp and of a rich, nutty flavor; blanches easily and quickly.....	05	30	80	3 00
GOLDEN DWARF. The best of the half-dwarf varieties; the heart is golden yellow, turning to a light color when blanching; very solid, rich flavor and a good keeper.....	05	20	60	1 20
GOLDEN SELF-BLANCHING, CALIFORNIA STOCK. Similar to French Stock; seed raised in California from selected plants.....	05	15	50	1 50
GOLDEN SELF-BLANCHING, FRENCH STOCK. See specialty above.....	05	60	1 75	6 00
WHITE PLUME. We offer a choice strain of this valuable and popular variety. Unsurpassed for fall and early winter use, requiring very little earthing up to blanch.....	05	30	85	3 00

CELERIAC

CELERIAC, LARGE SMOOTH PRAGUE. Forms turnip-shaped bulbs having celery-like flavor. Pkt | Oz. | ¼ lb | 1 lb
\$ 05 \$ 20 \$ 60 \$ 2 00

CHERVIL

Perifollo Kerbel Cerfeuil

CULTURE—Sow any time except hottest months, and transplant to rows twelve or more inches apart and twelve inches apart in row. No special care required, as only leaves are used for garnishing and flavoring.

CURLED. Used for flavoring soups and stews; also for salads and garnishing. Pkt | Oz. | ¼ lb | 1 lb
\$ 05 \$ 10 \$ 35 \$ 1 00

CHICORY

Achicoria Cichorie Chicoree

CULTURE—Sow any time except hottest weather, though early spring is preferable. In rows eighteen inches apart and three or four inches apart in row. A deep-rooting plant requiring little care if soil is moist.

LARGE-ROOTED MAGDEBURG. The prepared roots are used as a substitute for and to mix with coffee. Pkt | Oz. | ¼ lb | 1 lb
\$ 05 \$ 15 \$ 40 \$ 1 25

WITLOOF. Sow in drills, thin out to six inches apart, treat as Endive until end of summer, when it should be banked up like celery. The blanched stalks are used as a salad. It is also used as a boiled vegetable, dressed the same as cauliflower. Pkt | Oz. | ¼ lb | 1 lb
\$ 05 \$ 15 \$ 40 \$ 1 95

CHIVES

Cebollete Schnittlauch Ciboulette

CULTURE—Sow in rich loam soil, in drills; cover lightly pressing soil firm to seed. Plants, see page 70.

CHIVES. The leaves of this plant can be shorn off whenever desired and are most excellent for giving a mild onion flavor to salads and soups. Also used as edging for garden beds, one sowing lasting about three years. Pkt. | ¼ Oz. | Oz.
\$ 10 \$ 30 \$ 1 00



LARGE LEAVED FRENCH CHICORY

This Signature

[11]

Denotes Our Recommendation

CORN SWEET OR SUGAR

Maiz

Mais

Mais

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Sow in spring in rows two to three feet apart, and from eight to twelve inches in row. Soil should be rich, deep and moist, and intensive culture given at all times. For a succession of crops, sow every two or three weeks until August. A warm soil and exposure should be chosen for early crops.

Germain RECOMMENDS

OREGON EVERGREEN CORN

For another year we have secured the entire crop of Oregon Evergreen Corn from one of the most prominent seed farms, and again offer it as a specialty with the Germain recommendation. We could doubtless sell a great deal more of this variety if we would buy the seed in the open market and sell at a lower price, but we have found that Germain customers appreciate the best, and are willing to pay the slight difference in price for a strictly high grade strain. You must have it on your table to appreciate its juicy sweetness, richness and tenderness. It grows to a medium height, produces bountifully, and, as its name implies, can be rotated from the earliest to the latest. Owing to the tight and thin husk, Oregon Evergreen is almost entirely free from worms. Packet 10 cents; pound 30 cents; 10 pounds \$1.25; 100 pounds \$10.

ADAMS EXTRA-EARLY. One of the earliest varieties; small cob and quite dwarf in growth.....	Pkt	1lb	10lb	100lb
BLACK MEXICAN. The sweetest, richest and tenderest of all sweet corn. Turns black only when too old for table use.....	\$ 05	\$ 25	1 00	59 00
<i>Germain</i> COUNTRY GENTLEMAN. The best for private use. Small white cob densely covered with splendid white grains of delicious flavor. Ears average eight to nine inches. Stalks six feet high, three or four ears to each.....	05	30	1 25	10 00
CROSBY'S EARLY. Early, sweet and productive.....	05	30	1 25	10 00
EARLY MAMMOTH. Produces the largest ears of any variety of early sweet corn.....	05	25	1 00	9 00
EARLY MINNESOTA SWEET. One of the earliest, with ears of suitable size for market purposes.....	05	25	1 00	9 00
GOLDEN BANTAM. A very early and hardy dwarf variety.....	10	30	1 50	12 00
LATE MAMMOTH. Produces larger ears than any other sweet corn, yet is rich and sweet. Productive and popular; a little later than Evergreen.....	05	25	1 00	9 00
OREGON EVERGREEN. See specialty above.				
PREMO SIXTY-DAY. This is a fine sugar corn; hardy and can be planted fully as early as the Early Adams. The stalks grow about five feet high, and mostly bear two well-developed ears. Fine quality, very sweet and delicious.....	05	30	1 25	10 00
<i>Germain</i> STOWELL'S EVERGREEN. The standard sort for main crops everywhere. Ears large, deep-grained, exceptionally tender and sugary; remains tender and eatable longer than any other variety. A general favorite with canners and market gardeners for late use.....	05	25	1 00	9 00
WHITE MEXICAN. An early sweet corn of very rich and excellent flavor. Stalks about four and one-half feet high; ears eight inches long, usually eight rowed; about the same season as Crosby's Early and of better quality than any other variety of equally large size. Our stock is far superior to much that has been sold under this name.....	05	30	1 25	8 00

CORN SALAD

Canonigos	Feldsalat	Mache
CULTURE —Requires the same care as lettuce and put to same uses; also cooked as a substitute for spinach. Sow any month in year.		
<i>Germain</i> FETTICUS, OR LAMB'S LETTUCE	Pkt	oz 1/4lb 1lb
	\$ 05	10 30 1 00

COLLARDS

CULTURE —The same as for Cauliflower.	
TRUE GEORGIA. The well known large variety; grows four to five feet high; forms large, loose head; leaves purplish.....	Pkt Oz. 1/4lb 1 lb
	\$ 05 \$ 10 \$ 30 \$1 00

CRESS, OR PEPPER GRASS

Mastuerzo, Berro	Kresse	Cresson
CULTURE. Sow in rich soil in cool, shady place in drills one foot apart. Must be well and frequently watered.		
FINE CURLED. Used as salad, has warm, pungent taste.....	Pkt Oz. 1/4lb 1 lb	
WATER CRESS. Always in demand in city markets.....	\$ 05 \$ 10 \$ 25 \$ 50	
	10	35 1 00 3 50

OREGON EVERGREEN CORN



CUCUMBERS

Pepino

Gurke

Concombre

CULTURE—Sow for early crops in March, and for succession, monthly to September. In frostless locations, September sowing will bring winter crop. Sow six to ten seeds in hills four to six feet apart and pull out all but three strongest plants. Best soil is a light, sandy, rich one, retentive of moisture. One ounce will plant fifty hills; two pounds will plant one acre.


 Germain RECOMMENDS

DAVIS PERFECT CUCUMBER

A grand new variety. Everyone who saw the crop last year says they never saw anything to equal it. Dark, glossy green, slim and symmetrical, with an average length of ten to twelve inches. They hold color till nearly ripe, when they turn white without a yellow streak on them. Quality fine, as seeds are very soft when fit for table use. Very tender, brittle and of exceptional flavor. Early as earliest strain of White Spine and outyields all others. Price packet 10 cents; ounce 15 cents; $\frac{1}{4}$ pound 40 cents; pound \$1.25.

DAVIS PERFECT CUCUMBER

		Pkt	Oz.	$\frac{1}{4}$ lb	1 lb
<i>Germain</i>	ARLINGTON WHITE SPINE. A strain improved through careful selection. Two weeks earlier than the ordinary White Spine.	05	15	35	1 25
	BOSTON PICKLING, OR GREEN PROLIFIC. One of the best pickling varieties; dark green; also excellent for slicing.	05	10	30	1 00
	CUMBERLAND. The vines are hardy, of strong, vigorous growth, and fruit freely. The young cucumbers are of even size and regular form, thickly set with small spines, and are very attractive for making gherkin pickles.	05	15	35	1 25
	EARLY FRAME. Popular for both table and pickling purposes. Growth vigorous, vines very productive, fruit medium size.	05	10	30	1 00
	EARLY GREEN CLUSTER. A very popular early cucumber, producing its first fruit in small clusters near the root of the plant. Its usual length is about five inches; skin prickly; flesh white, tender and well flavored.	05	10	30	1 00
	EARLY RUSSIAN. One of the earliest in cultivation, resembles the Early Frame, but is smaller and shorter.	05	10	30	1 00
	EARLY WHITE SPINE. One of the best for table use. Vines vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor.	05	15	35	1 25
<i>Germain</i>	EXTRA LONG WHITE SPINE. A selected strain of the White Spine. Is very uniform in size and exceedingly early; makes long growth—ten to twelve inches. The variety for forcing and early market.	05	15	35	1 25
<i>Germain</i>	EVERGREEN. This cucumber differs from Early White Spine in retaining a deep green color at all stages of its growth. It is long, very productive, and matures early. A general favorite for table use, market, or pickling.	05	15	35	1 25
	GARDEN LEMON. Gets its name from its shape. Very early and exceedingly popular in the Los Angeles market. A fine shipper. Every home garden should include this variety.	10	25	75	2 50
	JAPANESE CLIMBING. While all cucumbers are running vines this variety is much more so. It also quickly climbs on poles or trellises. It is entirely distinct. Quality is splendid. Well adapted for pickling as well as for slicing for salads.	05	10	30	1 00
<i>Germain</i>	KLONDIKE. A splendid variety of the White Spine family; very early.	05	15	35	1 25
	LONG GREEN. Long and crisp; well-known and popular.	05	15	35	1 25
	NICHOL'S MEDIUM GREEN. One of the best general-purpose cucumbers, the young fruit being very symmetrical in shape, deep in color, very crisp; for slicing there is none better.	05	10	30	1 00
	WEST INDIA GHERKIN. Oval-shaped; prickly; for pickling only.	10	25	75	2 50

ENGLISH FORCING, OR FRAME VARIETIES

Superior in every way to the American varieties. Single specimens average twenty-four inches in length. Fruit is crisp and tender, with very few seeds, which makes the price high. They are grown in Europe in the greenhouse, but can be successfully raised out-of-doors in Southern California.

		Pkt	Oz.	$\frac{1}{4}$ lb	1 lb
<i>Germain</i>	IMPROVED TELEGRAPH. Unquestionably one of the best winter cucumbers; the best for forcing.	25			
	LOCKIE'S PERFECTION. A remarkably productive variety, bearing fruits fifteen inches in length, perfect models in shape, and of high quality.	25			

DANDELION

Amargon

Kuhblume

Pissenlit

Requires no special care, but loves rich, moist soils, whether grown for greens or for roots, the latter being used in place of chicory to mix with coffee.

		Pkt	Oz.
IMPROVED. Large-leaved		10	50


 Germain This Signature (13) Denotes Our Recommendation

KLONDIKE CUCUMBER

EGG PLANT

Berengena

Eierpflanze

Aubergine

THE REASON WHY

We recommend our strain of New York Improved Egg Plant. This is a photograph taken in our trial grounds this summer. This egg plant was grown entirely under market garden conditions, and the actual

crop produced was such as to warrant us in making even more emphatic our claims for the excellence of this seed. We wish the growers to distinctly understand that these field tests are not made with a few carefully attended plants, but in plots large enough to produce marketable quantities, and the prices we receive in the open market are additional evidence of the quality of Germain's Tested Seeds. In the picture Mr. Gonner, in charge of the trial grounds, is shown admiring the fruits of his labor.

CULTURE—Sow seed on hot bed, cold frame, or box, in warm place. Seeds are slow to germinate and soil must be light and sandy, mixed with leaf mould, if obtainable, and drainage must be good. Transplant deeply, in rich soil, not too early, so as to be checked by late frosts. A hot weather plant, and if first sowing fails, make another at once. One ounce of seed will produce 2000 plants.

Plants, see page 70.

Germain RECOMMENDS

NEW YORK IMPROVED EGG PLANT

No greater delicacy ever came from the garden than the egg plant, and none of this delicious vegetable has ever been brought to such a state of perfection as Germain's strain of the New York. It is an early variety of the large, oval-shaped, deep purple kind that tastes surprisingly like oysters when fried, and is of an indescribably delicate and alluring flavor when stewed. This variety is a great producer, fifty to sixty pounds having been grown from one plant. It has been perfected beyond any tendency to pithiness or dryness, and has taken its place as the standard for quality among the egg plants. Packet 10 cents, ounce 40 cents, ¼ pound \$1.25, one pound \$4.00.

<i>Germain</i>	BLACK BEAUTY.	A handsome, extra early, large variety.	Pkt	Oz.	¼ lb.	1 lb.
			10	\$ 60	1 75	\$6 00
	BLACK PEKIN.	An early variety, fruit round, purplish black and fine grained.	10	35	1 00	3 50
	EARLY LONG PURPLE.	An early, hardier variety, with club-shaped, dark purple fruit six to eight inches long, a shape preferred by some for slicing; flesh firm.	05	25	75	2 50
	NEW YORK IMPROVED.	See specialty above.				

BLACK BEAUTY



FRENCH MOSS CURLED ENDIVE

HERBS IN COOKING

Every good cook uses herbs in the culinary art, but comparatively few housewives are acquainted with the delicious and appetizing flavors secured by the addition to many dishes of one or more of the old-fashioned herbs. Easily grown in the house yard and preserved for use simply by drying and placing in tight jars, no order for garden seeds should fail to include them.



LONDON FLAG LEEK

ENDIVE

Escarola o Endivia

Endivie

Chicoree

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Sow any time of year, but if in hot weather, in a cool, half-shaded position. When plants are three inches high, transplant to rows one foot apart each, or thin in seed rows to ten inches apart. After plants are well grown, gather up leaves and tie at tips into a loose bunch to make inner ones white, crisp and tender. This vegetable is highly esteemed as a salad. One ounce of seed will sow a bed of about eighty square feet, or 150 feet of rows.

Plants, see page 70.

Germain **BROAD-LEAVED BATAVIAN.** Leaves broad, nearly plain, light green; best for soups. Pkt | Oz. | ¼ lb | 1 lb
05 | 15 | 40 | 51 25
FRENCH MOSS CURLED GREEN. Moss-like appearance, beautifully curled. 05 | 15 | 40 | 1 25

GARLIC

Ajo

Knoblauch

Ail

CULTURE—Plant bulblets in rows one foot apart and four inches apart in row, at any time of year available. Deep, rich soil is preferred. Bulblets will keep fresh for at least one year.

GARLIC SETS. Per pound 25 cts. postpaid; one hundred pounds, market price.

HERBS

POT, SWEET AND MEDICINAL

5 cents per packet; 50 cents per dozen packets.

A well assorted selection of the various kinds of herbs should have a place in every garden. Their value in seasoning and flavoring is well known and appreciated. Care should be taken to harvest on a dry day just before they fully blossom.

Plants, see page 70.

ANGELICA GARDEN (Archangelica officinalis).

ANISE (Pimpinella anisum).

BALM (Melissa officinalis).

BASIL SWEET (Ocymun basilicum).

BORAGE (Borago officinalis).

CARAWAY (Carum carui).

CATNIP (Nepeta Cataria).

CORIANDER (Coriandrum sativum).

CUMIN (Cuminum cyminum).

DILL (Anethum graveolens).

FENNEL, SWEET (Foeniculum vulgare).

HOREHOUND (Marrubium vulgare).

HYSSOP (Hyssopus officinalis).

LAVENDER (Lavendula vera).

MARJORAM, SWEET (Origanum Majorana).

ROSEMARY (Rosmarinus officinalis).

RUE (Ruta graveolens).

SAFFRON (Carthamus tinctorius).

SAGE (Salvia officinalis).

SAVORY, SUMMER (Satureja hortensis).

SAVORY, WINTER (Satureja montana).

TANSY (Tanacetum vulgare).

THYME, BROAD-LEAVED (Thymus vulgaris).

WORMWOOD (Artemista absinthium).

KALE, OR BORECOLE

Breton

Blaetterkohl

Chou Vert

CULTURE—Sow and treat same as cabbage, but June sowing brings best results for the tall sorts. Transplant to rows two and one-half to three feet apart, with plants eighteen inches apart in rows. One ounce of seed will produce about 2000 plants.

Plants, see page 70.

Germain **DWARF CURLED, OR GERMAN GREENS.** Very hardy, excellent for spring use. Pkt | Oz. | ¼ lb | 1 lb
05 | 10 | 35 | 51 00

Germain **GREEN CURLED SCOTCH.** The kind most commonly used; grows to a height of eighteen inches; spreads to three feet in diameter; leaves bright green and curled. 05 | 10 | 35 | 1 00

Germain **JERSEY, OR TREE KALE.** Of vigorous growth, grown for chickens and stock only. 05 | 10 | 35 | 1 00

Germain **THOUSAND-HEADED KALE.** Fine for stock and chickens. 05 | 10 | 35 | 1 00

KOHLRABI

Colinabo

Kohlrabi

Chou-rave

CULTURE—A crop like cabbage, and should receive similar treatment in every respect. One ounce of seed will produce about 2000 plants.

Germain **EARLY PURPLE VIENNA.** Very hardy; bluish purple. Pkt | Oz. | ¼ lb | 1 lb
05 | 20 | 60 | 52 00

Germain **EARLY WHITE VIENNA.** Flesh white and tender; very productive. 05 | 20 | 60 | 2 00

LEEK

Puerro

Lauch

Poireau

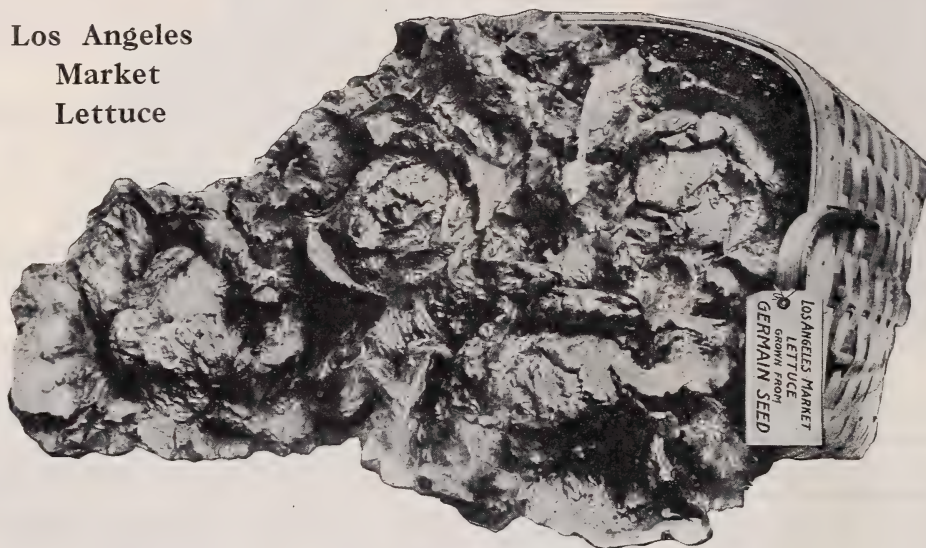
CULTURE—Sow at any time in drills one foot apart and one-half inch deep, in light, rich soil, liberally manured; thin the plants to ten inches. One ounce of seed will sow about 100 feet of drill.

Plants, see page 70.

Germain **LONDON FLAG.** A large and strong plant; hardy. Pkt | Oz. | ¼ lb | 1 lb
05 | 20 | 60 | 2 00

The Lettuce King of the West

Los Angeles
Market
Lettuce



The Leading Sort for Fall and Winter

From every discriminating market in the west and even as far east as Chicago comes a continuous demand for Los Angeles Market Lettuce. Among the market gardeners it is almost exclusively grown for a solid head variety. It is an evidence of the value of selecting up a strain year after year to its greatest perfection, and we feel proud to be the sponsors for this most standard and reliable sort.

Customers once growing it often come in and ask for the seed of "that big, hard-headed lettuce," that being its prominent characteristic. After stripping off the outer leaves there remains a shapely head as large and hard as a small cabbage, and with an interior nearly as white, yet wonderfully crisp and tender and with a most delicate, true lettuce flavor. No one should fail to include Los Angeles Market Lettuce in their seed order.

Price: Packet, 10c; ounce, 20c; 1-4 lb., 70c; 1b., \$2.00.

SOLD UNDER THIS MARK



THE BEST MONEY CAN BUY

LETTUCE

Lechuga

Salat

Laitue

CULTURE—May be sown every month in the year. To obtain the best results, the plants should be grown rapidly, therefore the soil should be made as rich and friable as possible by frequent cultivation and a liberal application of stable manure. Sow either in beds and then transplant when two inches high, or sow in drills and thin to one foot apart for heading varieties, and let the rows be eighteen inches apart. Hoe often to prevent going to seed. One ounce of seed will produce about 3000 plants.



ICEBERG LETTUCE



Field of Iceberg Lettuce at our Trial Grounds



BLACK SEEDED BUTTER LETTUCE



BIG BOSTON LETTUCE

CABBAGE OR HEADING VARIETIES

	Pkt	Oz.	1/4 lb	1 lb
BLACK SEEDED TENNISBALL. A splendid and delicately flavored variety of butter type, firm, round heads.	05	10	30	1 00
<i>Germain</i> BIG BOSTON. A most desirable large variety. For outdoor planting it is unsurpassed, as it does very well under great variations of temperature; leaves broad, smooth, thin, of a light green color. Heads solid.	05	10	30	1 00
CALIFORNIA CREAM BUTTER. A fine summer variety; grows slowly and keeps well.	05	10	30	1 00
DEACON. Has few waste or outside leaves, grows very solid, and of a delicious buttery flavor. The center of heads blanch to a bright yellow shade; crisp, tender, a fine summer variety.	05	10	30	1 00
DENVER MARKET. A Cabbage heading variety, medium large; slow to run to seed.	05	10	30	1 00
DRUMHEAD. Quality excellent; of buttery flavor, medium large, slow to seed, good substance.	05	10	30	1 00
<i>Germain</i> ICEBERG. A beautiful lettuce, worthy universal cultivation; leaves curly, bright green; heads unusually solid.	05	20	60	1 75
IMPROVED HANSEN. Very large, sweet, tender and crisp.	05	15	35	1 25
LOS ANGELES MARKET. See Specialty opposite.				
MAY KING. Extra large, round solid heads, light green outside, with clear yellow heart; splendid forcer.	05	10	30	1 00
<i>Germain</i> NEW YORK. The pride of the Los Angeles market. By far the most profitable lettuce grown. It is shipped from here in carloads, as far as Colorado. Exclusively used by the best Los Angeles hotels. Hardy, uniform size, wavy leaved and blanches beautifully. Crisp, tender, of just the right flavor, it never fails to please. We have gone to great expense to secure the best and we list it with our strongest recommendation.	05	20	70	2 00
<i>Germain</i> PARIS WHITE COS. An excellent variety; large, crisp, tender and of fine flavor; resists warm weather and is the best Cos lettuce. Known also as Romaine Cos.	05	15	35	1 25
PERFECTED SALAMANDER. One of the leading head varieties in cultivation, especially adapted for summer purposes; solid heads of light green color, with delicious buttery flavor.	05	10	30	1 00
WHITE SUMMER CABBAGE. Compact, globular head, medium size; of decided butter flavor and sweet.	05	10	30	1 00
<i>Germain</i> WONDERFUL. A splendid variety for market or home use and the best sort adapted for fall sowing. A strong grower, making fine heads.	05	20	70	2 00

CURLED OR LOOSE LEAVED VARIETIES

	Pkt	Oz.	1/4 lb	1 lb
<i>Germain</i> BLACK-SEEDED SIMPSON. One of the best; leaves are large, thin and exceedingly tender.	05	10	30	1 00
EARLY CURLED SIMPSON. A popular early sort; forms large, loose heads.	05	10	30	1 00
GRAND RAPIDS. The most popular variety for greenhouse planting; quick growth.	05	10	30	1 00
<i>Germain</i> PRIZEHEAD. Large, loose-headed sort; leaves tinged with brown; very heavy.	05	10	30	1 00

MUSKMELONS

Melon Almizcleno

Cantalupen

Muscade

CULTURE—Sow from March to July, according to climatic conditions, in hills six feet apart each way; some prefer six to eight feet. If sown early, twenty seeds should be planted to a hill; later planting requires less. Cover about one inch deep. Thin out to three or four of the strongest plants in each hill. Before plants are up, scatter ashes, old plaster or tobacco dust on top of hill to keep away insects from young plants. A light, warm soil is preferable, though they may be grown in any. One ounce of seed will plant about 100 hills.



THOROUGHbred ROCKY FORD CANTALOUPE



HOODOO CANTALOUPE



BURRELL'S GEM CANTALOUPE

GREEN FLESHED VARIETIES

	Pkt	Oz.	¼ lb	1 lb
<i>Germain</i> BURRELL'S THOROUGHbred ROCKY FORD CANTALOUPE. This is considered an improvement on the Rocky Ford; our seed is selected with the greatest care.	\$ 05	\$ 15	\$ 50	\$ 1 50
CHAMPION MARKET. This is the most prolific, flesh green and deep. Fine flavor. Fruit nearly round, ribbed and heavily netted.	05	15	40	1 25
CHICAGO MARKET. Large green fleshed nutmeg, good quality; ends flattened, rind heavily netted; flesh thick and sweet.	05	15	40	1 25
<i>Germain</i> EDEN GEM CANTALOUPE. This is one of the finest melons to grow, either for market or home use. It is immensely prolific, twenty to thirty perfect melons to a vine being common. The skin is heavily netted, flesh light green and of excellent quality.	05	20	50	1 75
<i>Germain</i> EXTRA-EARLY HACKENSACK. Very popular sort, producing large, handsome, extra early melons of best quality. It is some two weeks earlier and almost as large as the famous New Jersey Hackensack; fruit nearly round, deeply ribbed and very coarsely netted. The flesh is green and most delicious.	05	15	35	1 25
GREEN FLESH OSAGE. Osage quality, light green flesh.	05	15	35	1 25
IMPROVED WATTEY'S SOLID NET. A splendid early variety largely grown by market gardeners, medium sized fruit, heavily laced netting, slightly ribbed; flesh light green, sweet and fine flavor.	05	20	60	2 00
JENNY LIND. Small, round, flat fruits, deeply ribbed; flesh yellowish-green and of unsurpassed flavor, very productive.	05	15	40	1 25
LARGE HACKENSACK. Large fruit covered with coarse netting; thick green flesh, sweet and fine flavored.	05	15	40	1 25
LONG ISLAND BEAUTY. Fruits of large size, well flattened, heavily ribbed and netted; of handsome appearance and fine quality. This variety ripens as early and is superior to the Hackensack.	05	15	40	1 25
MODEL. Early and very prolific; flesh green, thick and fine flavor; oblong in shape, ribbed and finely netted. Splendid market variety.	05	15	50	1 50
MONTREAL MARKET. A very large, green nutmeg type, almost round, heavily netted; thick, luscious flesh, late and especially adapted to cool climates.	05	15	40	1 25
<i>Germain</i> PINEAPPLE CANTALOUPE. Large size, early, flesh green and rich flavor. Excellent shipper and a prime favorite with all.	05	15	40	1 25
PROLIFIC NUTMEG. Thick green flesh, fine flavor.	05	15	40	1 25

SALMON FLESHED VARIETIES

	Pkt	Oz.	¼ lb	1 lb
BANANA. Grows one and a half to two feet in length and three or four inches in diameter; flesh salmon, and exquisitely flavored, resembling banana. Brings a high price in eastern markets.	05	15	40	1 25
<i>Germain</i> BURRELL'S GEM. A splendid new variety. Superior to Rocky Ford. Flesh thick, salmon in color and fine flavor; rind heavily netted, grows to twenty pounds each.	05	15	50	1 50
<i>Germain</i> CASAD'S IMPROVED SPECIAL. See specialty on opposite page.				
<i>Germain</i> HOODOO. A new and excellent variety; an ideal shipper of medium size; rind thin; flesh very thick, firm and highly colored; of fine texture and delicious flavor.	05	15	50	1 50
EMERALD GEM. A small, very early melon; form globular, flesh salmon-colored, exceptionally fine flavor.	05	15	50	1 50
MANGO MELON, or "VINE PEACH;" size, shape and color of an orange, fine for preserving or pickling.	10	20	60	2 00
MILLER'S CREAM, or OSAGE. The fruit is large and round, with light green netted skin and thick, sweet, salmon-colored flesh.	05	15	40	1 25
NUTMEG TIP TOP. An improved strain; very sweet	05	15	50	1 50
<i>Germain</i> PAUL ROSE. Handsome; oval, new variety; rich orange, flesh very sweet.	05	15	40	1 25

HOT BED VARIETIES

These are English varieties, and while in their native country they are grown under glass, yet under the exceptional climatic conditions existing in the Southwest, they are very successfully grown in the open.

	Pkt	Oz.	¼ lb	1 lb
<i>Germain</i> BLLENHEIM ORANGE. A prime favorite; scarlet flesh.	25			
<i>Germain</i> WINDSOR CASTLE. Green flesh, oval shape, finely netted, delicious flavor.	25			

This Signature

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Denotes Our Recommendation

CASSABA MELON



IMPROVED HYBRID CASSABA

CULTURE—Sow in June, July and August. Otherwise follow cultural directions on Muskmelons.

EASTERN. Long oval-shaped, skin very thin and delicate; flesh extremely tender, rich and sweet.

GENOA. A late variety of oblong shape; skin dark green with whitish marking; flesh pale green, nearly white, of excellent flavor, and fine aroma. An Italian melon, in which country it is largely grown and highly esteemed for its fine qualities.

GOLDEN BEAUTY. A variety of Winter Pineapple which it resembles in every way except color.

IMPROVED HYBRID. A variety that ripens late and is a good keeper. Thick flesh of excellent quality.

SANTA CLAUS. The latest melon grown. Thin, hard skin with yellowish brown markings, flesh light green and good flavor. Can be picked in September or October and will keep for several months.

WHITE AFRICAN. A delicious melon. This melon must be harvested before it is ripe.

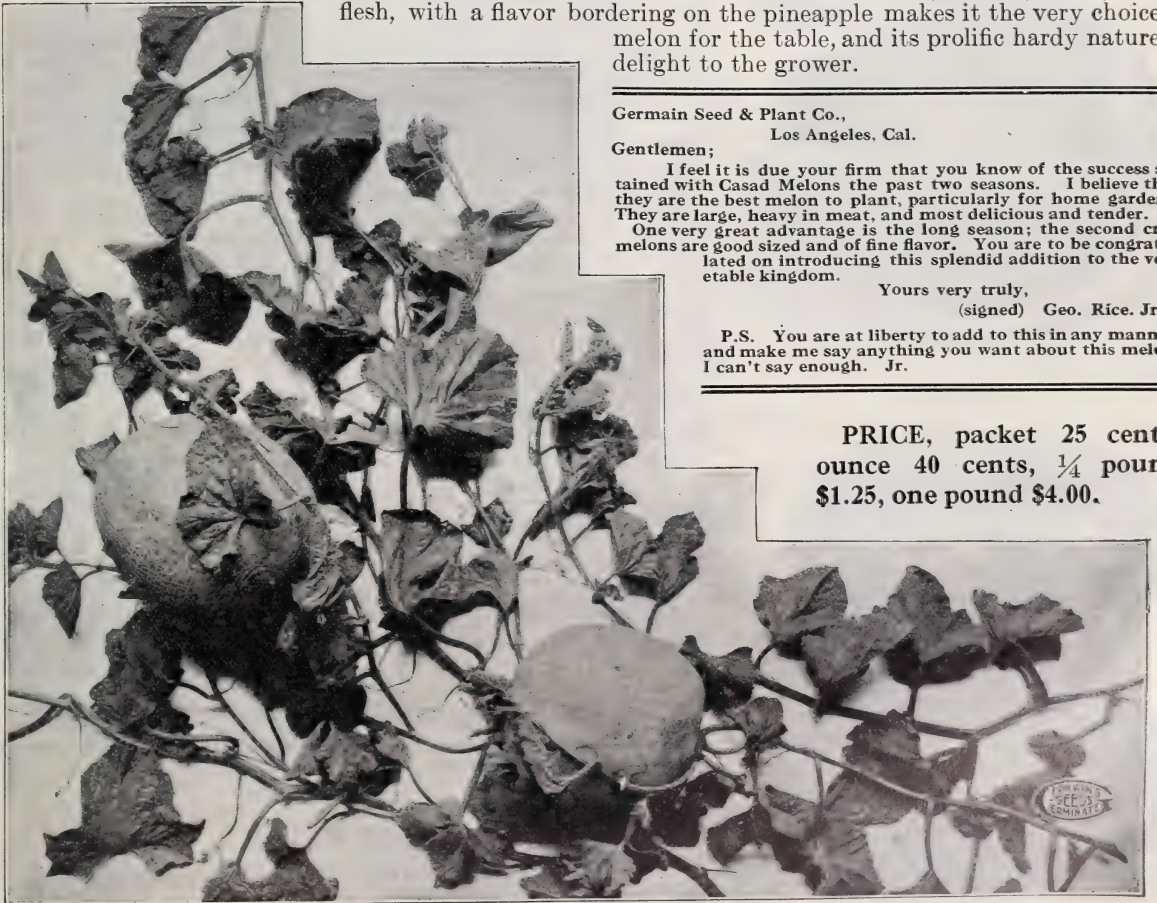
WHITE'S FAVORITE. A delicious summer variety; earlier than other cassabas.

WINTER PINEAPPLE. A large, late melon, of unique appearance, corrugated skin, green flesh of pronounced pineapple flavor. Melons do not ripen on the vines. Flavor is greatly improved by being stored in a cool place.

Pkt	Oz.	1/4 lb	1 lb
05	10	30	1 00
10	30	1 00	3 00
10	25	75	2 50
10	25	75	2 50
10	25	75	2 50
10	30	1 00	3 00
10	30	1 00	3 00
10	20	60	2 00

CASAD'S IMPROVED MUSKMELON

After four seasons of unqualified success we are more than justified in giving prominence to this magnificent melon. Its decided characteristic quality really entitles it to a distinct classification of its own. Neither a selected muskmelon or cassaba, its delicious individuality and remarkable stability as to type, mark it as one of the producing sensations of the decade. Its thick, smooth, close grained flesh, with a flavor bordering on the pineapple makes it the very choicest melon for the table, and its prolific hardy nature a delight to the grower.



Germain Seed & Plant Co.,
Los Angeles, Cal.

Gentlemen;

I feel it is due your firm that you know of the success attained with Casad Melons the past two seasons. I believe that they are the best melon to plant, particularly for home gardens. They are large, heavy in meat, and most delicious and tender.

One very great advantage is the long season; the second crop melons are good sized and of fine flavor. You are to be congratulated on introducing this splendid addition to the vegetable kingdom.

Yours very truly,
(signed) Geo. Rice, Jr.

P.S. You are at liberty to add to this in any manner, and make me say anything you want about this melon. I can't say enough. Jr.

PRICE, packet 25 cents,
ounce 40 cents, 1/4 pound
\$1.25, one pound \$4.00.

WATERMELONS

Sandia

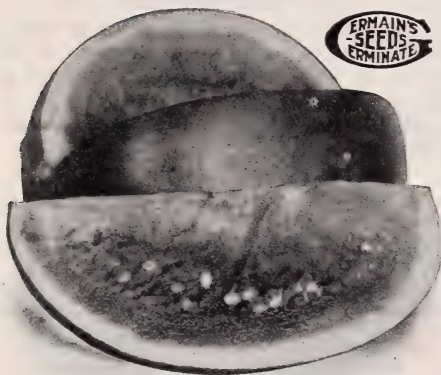
Wassermelone

Melon d'Eau

CULTURE—Sow when weather is warm enough, any time from March to July, in hills six or eight feet apart, and thin out to two or three best plants. Plant a dozen seeds to a hill, from one to two inches deep and sow ashes, etc., as for muskmelons. All melons like a deep, loose soil. Hoe often and gradually hill up until the vines touch; after the flowers appear pinch off the extreme ends of the most luxuriant shoots.



ALABAMA SWEET



ANGELENO



KLONDIKE



green. Rind quite thin, but tough enough for shipping. Flesh bright red and of fine quality.

FLORIDA FAVORITE. An old popular, long-stripe melon of good quality.

FORDHOOK EARLY. This is the earliest large-fruited melon in cultivation, often weighing thirty to forty pounds each; has deep green skin and is an excellent shipper; the flesh is light red, sweet and of splendid quality.

GEORGIA RATTLESNAKE, OR GYPSY. Standard southern variety, which possesses remarkable shipping qualities; oblong, scarlet flesh, crisp and juicy.

GERMAIN'S IMPROVED BLACK SEEDED

CHILIAN See specialty on opposite page.

GERMAIN'S IMPROVED BROWN SEEDED

CHILIAN See specialty on opposite page.

HALBERT HONEY. Oblong, dark green skin, thin rind, crimson flesh, luscious flavor.

KLECKLEY'S SWEET. This new melon is one of the best for the home market or family use. The melons are large, eighteen to twenty inches long and ten to twelve inches in diameter, dark green; rind thin, flesh scarlet and very sweet.

KLONDIKE. Pasadena's favorite. A novelty of recent introduction. One of the sweetest and most prolific melons. Seeds one-half as large as in other melons. Although not a good shipper, good for local consumption.

KOLB'S GEM. A strong grower, a large, round or oval-shaped melon. Striped irregularly with dark and green mottlings, flesh firm and rich, a good keeper.

PEERLESS. Medium size, rind thin, flesh bright scarlet and a flavor of honey sweetness.

PHINNEYS EARLY. Very early, of medium size, stripes light and dark mottled, flesh pink, sweet and delicious.

SWEET HEART. Large fruits of oval or round form; flesh is a deep rich red, crisp and melting.

TOM WATSON. An exceedingly popular melon in the South. Fruit large, running at times as high as sixty pounds. Rind thin but tough, consequently a good shipper. A dark green in color with flesh a brilliant scarlet. Very large with small seed area. An early variety of delicious flavor.

YELLOW-FLESHED ICE CREAM. This melon has become very popular among the growers around Los Angeles; in fact, in past seasons we have never been able to secure enough stock to supply the demand. The melon grows very large, of oblong shape, the flesh is a beautiful yellow, and has a peculiar, delicious flavor, different from any other variety.

	Pkt	Oz.	1/4 lb	1 lb
ALABAMA SWEET. A very popular variety in the south, especially in Texas, where they grow it in preference to any other. In shape it is long, color dark green, flesh red and absolutely stringless.	\$ 05	\$ 10	\$ 30	\$ 1 00
ANGELENO. A top notch melon; big producer, excellent shipper, oval shaped and fine color; medium size to large; pick only when green shades to gold. A prime favorite with all shippers. A fine flavored, large shipping melon, oblong in shape, with rather square ends; the skin very dark green with darker stripes. The flesh is very tender and solid, dark red in color, and of excellent flavor. The rind is thin and tough, making it a very desirable shipping melon. Under favorable conditions they grow to a large size and command high prices.	05	15	50	1 50
BRAZILIAN. See specialties on opposite page.	05	15	40	1 25
COLES EARLY. Medium size, oblong with mottled stripes flesh bright red and solid, sweet and delicious flavor. Adapted to a variety of climates.	05	10	25	80
CUBAN QUEEN. Melons are oblong in form; skin striped, dark and light green, but tough enough for shipping. Flesh bright red and of fine quality.	05	10	25	75
FLORIDA FAVORITE. An old popular, long-stripe melon of good quality.	05	10	30	1 00
FORDHOOK EARLY. This is the earliest large-fruited melon in cultivation, often weighing thirty to forty pounds each; has deep green skin and is an excellent shipper; the flesh is light red, sweet and of splendid quality.	05	10	25	75
GEORGIA RATTLESNAKE, OR GYPSY. Standard southern variety, which possesses remarkable shipping qualities; oblong, scarlet flesh, crisp and juicy.	05	10	30	1 00
GERMAIN'S IMPROVED BLACK SEEDED CHILIAN	05	10	35	1 00
GERMAIN'S IMPROVED BROWN SEEDED CHILIAN	05	10	35	1 00
GERMAIN'S IMPROVED WHITE SEEDED CHILIAN. See specialty on opposite page.	05	10	30	1 00
HALBERT HONEY. Oblong, dark green skin, thin rind, crimson flesh, luscious flavor.	05	10	30	1 00
KLECKLEY'S SWEET. This new melon is one of the best for the home market or family use. The melons are large, eighteen to twenty inches long and ten to twelve inches in diameter, dark green; rind thin, flesh scarlet and very sweet.	05	10	30	1 00
KLONDIKE. Pasadena's favorite. A novelty of recent introduction. One of the sweetest and most prolific melons. Seeds one-half as large as in other melons. Although not a good shipper, good for local consumption.	10	20	60	2 00
KOLB'S GEM. A strong grower, a large, round or oval-shaped melon. Striped irregularly with dark and green mottlings, flesh firm and rich, a good keeper.	05	10	25	75
PEERLESS. Medium size, rind thin, flesh bright scarlet and a flavor of honey sweetness.	05	10	25	75
PHINNEYS EARLY. Very early, of medium size, stripes light and dark mottled, flesh pink, sweet and delicious.	05	10	25	75
SWEET HEART. Large fruits of oval or round form; flesh is a deep rich red, crisp and melting.	05	10	25	75
TOM WATSON. An exceedingly popular melon in the South. Fruit large, running at times as high as sixty pounds. Rind thin but tough, consequently a good shipper. A dark green in color with flesh a brilliant scarlet. Very large with small seed area. An early variety of delicious flavor.	10	20	60	2 00
YELLOW-FLESHED ICE CREAM. This melon has become very popular among the growers around Los Angeles; in fact, in past seasons we have never been able to secure enough stock to supply the demand. The melon grows very large, of oblong shape, the flesh is a beautiful yellow, and has a peculiar, delicious flavor, different from any other variety.	05	15	50	1 50

PRESERVING MELON

COLORADO PRESERVING CITRON. Excellent for making preserves.	Pkt	Oz.	1/4 lb	1 lb
	05	10	30	1 00

STOCK MELON

GREEN SEEDED CITRON. A hardy, productive variety for feeding purposes.	Pkt	Oz.	1/4 lb	1 lb
RED SEEDED CITRON. Same as above only red in color.	05	10	20	60

GERMAIN'S WATERMELON WINNERS



BRAZILIAN WATERMELON

Some people still think that a fine watermelon is the natural result of cultural conditions or just ordinary luck, not knowing of the years of patient effort and careful hybridizing necessary before the introduction of a new type. In the Brazilian we have secured a prize, originated by one of the most successful market gardeners of Southern California, which insures its being especially adapted for planting in this section. We have bought the entire seed product ever since its introduction.

This melon has now been thoroughly tried by market gardeners and amateurs and all those from whom we have heard have given it nothing but the highest praise. A very few more years will prove this the most popular melon in California.

The melon is oval in shape, with a medium thick rind and a beautiful apple-green skin. The meat is a deep crimson, sweet and luscious, superior in every way to any melon yet brought to our attention.

Germain's strongest recommendation goes with the Brazilian Watermelon for home use and close in markets. You should surely include it in your order.

Per Packet 15 Cents
Ounce 30 Cents
Pound \$3.00

Owing to the limited stock not more than one-quarter pound will be sold to any one customer.

GERMAIN'S IMPROVED WHITE SEEDED CHILIAN WATERMELON

It Stands Every Test

For many years the Chilian has been the dominant watermelon in all parts of California, and skillful growers have been competing in seed selection for the finest strain. We have obtained a white seeded strain that comes true from every seed, and so delicious that one grower last year said: "It is the melon that melts in your mouth." Each melon contains but few seeds and the crisp, deep-red flesh looks as though frozen to a crystal-like iciness. Aside from its admirable eating qualities, it is a splendid shipper and altogether is the one great market melon of today.

Price Packet 5 Cents Ounce 10 Cents One-quarter Pound 35 Cents One Pound \$1.00

MUSHROOM SPAWN

Seta

Schwamm

Champignon

Cultural instructions for growing mushrooms given free to every purchaser of spawn. Price 5 cents postpaid.
CALIFORNIA. Within a few miles of Los Angeles there is prepared for us a special mushroom spawn propagated from the sown spores, therefore having the decided advantage of being specially adapted to California conditions. European brick spawn is prepared under conditions of soil, climate, etc., quite different from our own and is propagated through the spread of the mycelium or threadlike underground plants. If this be diseased or a weakly strain, these shortcomings are perpetuated in the commercial stock. Price 50 cents per can, postpaid.

ENGLISH. In bricks. Per brick 45 cents, postpaid.

FRENCH. In two and four pound boxes, including pamphlet of culture directions. Two pound box, \$1.00; four pound boxes, \$2.00.

WHITE FRENCH. New Virgin Spawn. This new spawn produces the finest mushrooms in cultivation, and one trial will convince all growers of its wonderful merits. Price, 30 cents per tablet, \$3.00 per dozen, postpaid.



MUSHROOM

MUSTARD

Mostaza

Sent

Moutarde

CULTURE—Sow any time in the year, though autumn sowing brings best greens for they revel in cool weather. Not particular as to soil, though a medium heavy one is best.

CHINESE GREEN. Gui Toi. Pkt .10 Oz. 1/2 lb 1 lb
CHINESE WHITE. Bak Toi. 10 .25 .75 2.50

OSTRICH PLUME. So called for its feathery appearance; ornamental as well as useful. 05 .10 .30 .90

SOUTHERN CURLED. Leaves large, fourteen to sixteen inches in length, which are cooked like spinach, and have a very agreeable flavor. One of the best green foods for poultry. 05 .10 .25 .75

WHITE LONDON. Best for salads or medicinal purposes. 05 .10 .15 .40

Germain

This Signature

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Denotes Our Recommendation

ONIONS

Cebolla

Zwiebel

Oignon

N. B.—Prices on one-half and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Sow in drills twelve to sixteen inches apart, sowing the seed thinly and cover thinly. If desired for transplanting, seeds may be sown broadcast, covered a quarter of an inch deep and transplanted when size of straws. Onions prefer a deep, friable loam, very heavily enriched, but no fresh manure, therefore fertilize the year previous to sowing. Thin to three inches apart in row. While moisture-loving, much water is fatal and should never touch the plants after too old to pull for eating green. For keeping quality, always irrigate between the rows. One ounce of seed will sow about 100 feet of drill. Four pounds to the acre.

Germain RECOMMENDS

AUSTRALIAN BROWN ONION

The first requirement of the market gardener in selecting an onion is its shipping quality. The producer for home use finds this feature of equal value, for it insures him a prime supply of the vegetable in the cellar bin at all times. In stocking the Australian Brown, Germain's is entirely satisfied that under the most adverse conditions the grower will be more than pleased with this variety. The flesh is pure white, close layered, juicy and tender, growing to a good size. This hardy variety does especially well in the South, and when planted in rich, sandy soil and given an abundance of water, will produce more to the acre than any onion that has come under our observation. Germain's customers will not regret planting the Australian Brown, and we are pleased to note that we are stocked to take care of all orders. Packet, 10 cents; ounce, 15 cents; one-fourth pound, 50 cents; one pound, \$1.50.

AUSTRALIAN BROWN. See specialty above.

AUSTRALIAN EX-EARLY YELLOW GLOBE. The earliest of the Globe Onions and an extra long keeper. Skin thin; the onions weigh four to six ounces; mild and of splendid flavor.

BERMUDA RED. An early variety resembling the White Bermuda, except in color, which is a pale red, flesh crisp and mild flavor. Fine market onion. (Teneriffe-grown)

BERMUDA WHITE ONION. This variety is more extensively grown for the early market than any other. Being ready for shipping when the storage supply is exhausted they bring the very highest price. Our stock of seed is from the Island of Teneriffe, grown by the most reliable seed grower in that celebrated district. A large, flattish onion, very mild and of a pale straw color.

CRYSTAL WHITE WAX. A large white onion of the Bermuda type, becoming more popular every year. It is very early, mild in flavor. Excellent shipper and keeper. The seed is very generally sown in beds, and transplanted to the fields when partly grown. Our stock of seed is from the same Teneriffe grower that has supplied us with our fine strain of White Bermuda seed for years. While the supply is limited we are able to offer

EARLY BARLETTA OR ADRIATIC BARLETTA. A very early variety with clear silver skin, bulbs small, pure white, firm, delicate in flavor; best kind for young onions and for pickling.

EXTRA EARLY RED. Very early variety, medium sized, flat; firm bulbs with dark purplish red skin. This onion has a moderately strong flavor and is an excellent keeper.

GERMAIN'S GREAT GREEN ONION. See specialty opposite.

LARGE RED WETHERSFIELD. One of the leading varieties for many years. In color the skin is a deep purplish red. The flesh is white, tinged with red, and of good quality, crisp and solid. It grows to a large size and is both a good keeper and shipper. Our strain of seed of this onion is very fine.

MAMMOTH SILVER KING. A large white onion with a silvery skin, flattened on top but quite thick. The flesh has a mild, pleasant flavor, and is so sweet it can be eaten like an apple. They have been known to weigh over three pounds, and yield at the rate of 4,000 pounds to the acre. They mature early and are good keepers.

NEW QUEEN. Very early, flat, beautifully white and of the finest flavor; grows to a fair size in California, and is one of our best market varieties, its principal recommendation being its rapidity of growth and its long-keeping qualities. Also an excellent variety for pulling green or pickling.

PRIZE-TAKER. The largest of the yellow onions, globular in shape, of a pale straw color. Produces enormous crops; bulbs frequently weigh as high as three pounds.

SOUTHPORT RED GLOBE. Grows to a good size, rich red color with small neck. A fine keeper.

SOUTHPORT WHITE GLOBE. A great yielder, fine grained and firm; flavor mild.

SOUTHPORT YELLOW GLOBE. The Southport Onions are handsome globe-shaped bulbs of excellent quality, uniform in size and fine keepers. The yellow is one of the earliest.

WHITE PORTUGAL, OR SILVER SKIN. One of the leading white sorts, of beautiful shape and very mild flavor. The bulbs are flat and mature early. Splendid variety for market garden. Bulbs average two to three inches in diameter.

YELLOW FLAT DANVERS. This is one of the very earliest varieties, a good shipper and keeper. Flat in shape, of straw color and mild in flavor.

YELLOW GLOBE DANVERS. A well known early onion of fine quality. Flesh white and firm. Color a bright orange; grows to a good size, hardy, a sure cropper and excellent keeper.

Pkt	Oz.	¼ lb	1 lb
05	25	70	2 50
10	50	1 35	2 50
10	60	1 50	2 50
10	70	2 00	4 00
05	25	60	2 25
05	20	60	2 00
05	20	60	2 00
05	25	75	2 00
05	20	60	2 50
05	15	50	1 50
10	30	90	2 50
05	15	50	1 75
10	30	90	3 00
05	15	50	1 75
05	20	50	1 75

Germain

This Signature

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Denotes Our Recommendation



YELLOW FLAT DANVER

RED WETHERSFIELD

SOUTHPORT WHITE GLOBE

AUSTRALIAN BROWN

PRIZETAKER



GERMAIN'S GREAT GREEN ONION



ONION SETS

CHAMPION MOSS CURLED PARSLEY
DOUBLE CURLED PARSLEY

ONIONS

Germain RECOMMENDS

GERMAIN'S GREAT GREEN ONION

This variety fills a long felt need for both the amateur and the professional gardener. It produces the long, tender and sweet green onions which are justly so popular on the table of those who enjoy good eating. Germain has gone to great expense and effort to secure this masterpiece of gardening. Germain's Great Green Onion has stood the test of the largest and most critical gardeners in and around Los Angeles. It can be easily grown in every garden. Pull while medium sized before the bulb has formed. Price, packet 10 cents, ounce 25 cents, $\frac{1}{4}$ pounds 75 cents, pound \$2.75.

ONION SETS

N. B.—Prices on one-half and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

Grown from seed that has been sown too thickly to attain a large size. These small onions are planted out and are soon ready to pull for the table or bunch for market. If left to stand they make ripe onions of excellent quality. Maturing about six weeks earlier than crop grown from seed.

YELLOW DANVERS
WHITE PORTUGAL
BROWN AUSTRALIAN

1 lb | 100 lb
.30 | Write
.30 | for
.30 | prices

OKRA

Quimbombo

Ocher

Gombaud

CULTURE—Sow in spring after soil is warm, in rows two to three feet apart, putting seed down two inches. When well up, thin to eight or ten inches apart. Hoe soil up against stem of plant.

This vegetable produces long, nutritious pods, which when young, are used in soups and stews, to which they impart a rich flavor. One ounce of seed will sow fifty feet of row.

EARLY DWARF. Productive; pods white, round, smooth.
LONG GREEN. Later and more productive; ribbed pods.
PERKINS' MAMMOTH. Plant dwarf; very productive. Produces beautiful, long slender green pods, which remain tender a long time. An extra choice variety.
WHITE VELVET. Pods round, smooth, free from seams; exceedingly tender, well flavored and very prolific.

Pkt	Oz.	$\frac{1}{4}$ lb	1 lb
.05	.10	.20	.70
.05	.10	.20	.70
.05	.10	.25	.80
.05	.10	.20	.70

PARSLEY

Perijil

Petersilie

Persil

CULTURE—Best sown during cool weather—December to May. Succeeds best in rich, moist soil. Sow thickly in drills one foot apart and one-half inch deep. When the plants are two inches high, thin them out to four inches apart. One ounce of seed will sow about fifty feet of row, or give 500 plants.

Plants, see page 70.

CHAMPION MOSS-CURLED. Vigorous compact-growing variety; excellent for garnishing and flavoring; also a handsome decorative plant; leaves fine and crisp, resemble moss; a most popular sort for the market and home garden.
FERN-LEAF MOSS. Most exquisite in form and color; exceedingly fine for garnishing and flavoring.
HAMBURG, OR TURNIP-ROOTED. The roots are excellent for flavoring soups.

Pkt	Oz.	$\frac{1}{4}$ lb	1 lb
\$.05	\$.15	\$.40	\$ 1.25
.05	.15	.40	1.25
.05	.10	.30	1.00

PARSNIP

Chirivia

Pastinake

Panais

CULTURE—Sow any month in the year in drills of rich soil one and one-half inches deep and fifteen inches apart, and cultivate the same as carrots; thin to four inches apart. One ounce of seed will sow about 100 feet of row.

HOLLOW-CROWNED. Best parsnip grown either for table or stock.
IMPROVED GUERNSEY. Half-long; not as long as Hollow-Crowned, but larger and more easily gathered.
SHORT ROUND OR TURNIP-ROOTED. For shallow soil.

Pkt	Oz	$\frac{1}{4}$ lb	1 lb
.05	.15	.50	1.50
.05	.15	.50	1.50
.05	.15	.50	1.50

Germain

This Signature

(23)

Denotes Our Recommendation

PEAS

Chicharos o Guisantes

Erbesen

Pois

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise deduct ten cents per pound or a fraction thereof.

CULTURE—In many parts of our State, peas may be sown any month in the year. While not particular as to soil, they respond nobly to fertilization, and inoculation of the seed (see pages 32 and 33) will prove a highly profitable investment. A deep, rich soil, well pulverized, should be chosen for the principal crops. For early peas the ground does not need to be so rich. Sowing of the first early varieties should be made in October, and other varieties for successive crops, planted every two weeks until April 1.

Peas are sown in single or double rows, from two to six feet apart, according to the variety or the height to which they attain. Have rows of the dwarf varieties two feet apart and those of the medium sorts three to four feet apart and the tall varieties from five to six feet apart. Tall varieties require sticks. Two pounds will sow 100 feet of row.



Germain RECOMMENDS

YORKSHIRE HERO PEAS

There is no greater satisfaction to the house of Germain than the continued and increasing popularity of this magnificent strain of peas. Its ability to adapt itself to conditions has made it a uniform success wherever planted, and our seed farm has been twice enlarged to keep pace with the demand.

Its strong, vigorous growth makes it especially valuable to the market gardener and in the home garden that is not too well taken care of it will usually be found the most healthy and productive of all the vegetables.

It grows bushy, requiring no staking, and yields prodigiously of the large, plump peas of delicious flavor.

Even with a most carefully cultured field the seed is rigidly inspected, and the most exacting buyer cannot fail of satisfaction.

Price, Packet 10 cents, one pound 30 cents, 10 pounds \$1.20, 100 pounds \$10.00.

YORKSHIRE HERO PEA

FIRST EARLY VARIETIES

AMERICAN WONDER. This is an early wrinkled pea of dwarf habit, the vines generally being about a foot high. Especially good for the private garden. It is quite distinct from other peas, being very stocky and erect. Very prolific...

Germain **GRADUS.** An early wrinkled pea of the finest quality, bearing large pods well filled with the sweetest peas you ever ate. It is not only large and of good quality, but it is also one of the very earliest sorts, and brings the best prices. The demand for these peas from the hotel and choice trade is never supplied. Market gardeners should plant a liberal acreage of this variety. Does best in loamy soil.

Germain **MCLAN'S LITTLE GEM.** An early pea of unusual value. Vines average fifteen inches in length; they bear pods about two and a half inches in length, often borne in pairs, when mature always tightly filled with peas of excellent flavor. As early as any but with a larger pod than most early varieties.

Germain **NOTT'S EXCELSIOR.** A splendid dwarf wrinkled sort, one of the best, hardy, vigorous, and will mature almost as soon as the smooth varieties, often ready to pick in fifty days. The pods usually contain from seven to nine peas. Tender and of fine flavor. This variety is rapidly growing in favor for early planting, as its hardiness and quick growth make it a very profitable market pea.

PREMIUM GEM. A fine early wrinkled pea with vines about fifteen inches high, pods long and produce in abundance. A profitable market variety excellent for private use.

Ht. ft	Pkt	1 lb	10 lb	100 lb
1	10	30	1 50	12 00
2 1/2	10	30	1 50	12 00
1	10	35	1 50	13 00
1 1/2	10	35	1 75	15 00
1 1/2	10	35	1 50	13 00

SECOND EARLY VARIETIES

CHAMPION OF ENGLAND. A popular variety; very hardy, prolific, and rich in quality.

DWARF SUGAR or EDIBLE POD. A low growing vine bearing large sweet pods that can be cooked and used the same as stringless beans. Vines bear heavily of peas that have delicious flavor.

STRATAGEM. A very heavy cropper, producing large, well-filled pods of excellent quality. One of the finest peas in cultivation.

YORKSHIRE HERO. See specialty above.

Ht. ft	Pkt	1 lb	10 lb	100 lb
5	10	35	2 18	00
	10	35		
2	05	30	1 30	11 00

LATE VARIETIES

Germain **TELEPHONE.** A fine wrinkled pea growing about four feet high. The peas are large, and of a pale green color. It is a second early variety, very prolific and the pods are very large, containing eight or ten peas in each.

Ht. ft	Pkt	1 lb	10 lb	100 lb
5	10	40	1 50	12 00



AMERICAN WONDER PEA

PEPPERS

Pimiento

Pfeffer

Piment

CULTURE—Sow in hot beds in November and December, or in cold frames or boxes in early spring. Transplant when the weather is favorable, about April, to open ground in rows eighteen inches apart and ten inches apart in the row. The ground should be highly manured before transplanting. When about six inches high, hoe the plants, and earth up slightly, keeping well watered at all times.

PLANTS, see page 70.



BULL NOSE
PEPPER

ANAHEIM CHILI PEPPER

Germain

RECOMMENDS

PIMIENTO PEPPERS

This pepper is rapidly growing in favor. Not only is it mild, with thick heavy flesh, but it has a delicate flavor and richness. The shape is very good, being of medium length and smooth; it presents an attractive appearance when filled for the table. It is delicious when used in salads or creamed like onions. Very prolific and a good shipper. Price: Packet, 10 cents; ounce, 50 cents; one-quarter pound, \$1.50; pound, \$5.00.

Germain **ANAHEIM CHILI.** (Chili Caliente). The country around Anaheim is the greatest pepper growing section in the world, the shipments running over 100 car loads a year. Our seed is selected from the finest and most productive fields in that vicinity and is certain to produce splendid crops. This pepper is from 6 to 8 inches long and tapers from 1½ to 2 inches in diameter at the top to a point. When dried it is a brilliant scarlet.

Germain **BELL, OR BULL NOSE.** Early, sweet and of good flavor.

CAYENNE. Pods small, long and tapering; coral red when ripe, very hot and strong, best kind for seasoning pickles; the Cayenne Pepper of commerce.

CHERRY. Small, round, smooth and productive.

CHILI PIQUIN. Fruit small and round, fiery hot, fine for seasoning or peppersauce.

CHILI, SMALL, OR BIRD'S EYE. Pods pendent, shapely, conical, about one and one-half inches in length, very piquant; excellent for pickles.

Germain **CHINESE GIANT PEPPER.** This pepper is a wonder. The largest and finest grown. Our careful selection of only the finest peppers for seed has resulted in giving us a particularly choice stock of this variety. Specimens grown at our Trial Fields this summer weighed over fifteen ounces each. The plants are of strong stocky growth. The fruit is a rly square in shape and the flesh is thick and very mild.

GOLDEN DAWN. Resembles the well known Bell in shape, but the fruit is golden yellow.

LARGE SWEET MOUNTAIN. Large, excellent for mangoes

MEXICAN CHILI. The pepper that has made the tamales of Mexico famous is becoming very popular in the Southwest. Our seed is obtained directly from Mexico. It is a medium size, pear-shaped pepper, and turns bluish black when dried.

MONSTROSITY. A very large growing variety of fine quality and the best for making mangoes.

NEAPOLITAN PEPPER. Very early, large, mild and sweet, and unusually productive. Extra fine for slicing and mangoes.

NOCERA. The earliest large, sweet pepper in the market. Very productive, fruit even, large and of mild flavor, turning crimson as it matures.

PIMIENTO. See specialty above.

RED CLUSTER. Grows in clusters, prolific, of dwarf habit

RUBY KING. A large growing sweet pepper of the Neapolitan type; strong grower and prolific.

	Pkt	Oz	¼lb	1 lb
ANAHEIM CHILI	\$ 10	\$ 25	\$ 75	\$ 2 50
BELL, OR BULL NOSE	05	25	75	2 50
CAYENNE	05	25	60	2 25
CHERRY	05	25	75	2 50
CHILI PIQUIN	05	50	1 25	5 00
CHILI, SMALL, OR BIRD'S EYE	05	25	75	2 50
CHINESE GIANT PEPPER	10	60	1 75	6 00
GOLDEN DAWN	05	25	75	2 50
LARGE SWEET MOUNTAIN	05	25	75	2 50
MEXICAN CHILI	05	35	1 15	3 50
MONSTROSITY	10	40	1 25	4 00
NEAPOLITAN PEPPER	10	40	1 25	4 00
NOCERA	10	60	1 75	6 00
PIMIENTO	10	30	75	2 50
RED CLUSTER	10	35	1 00	3 50
RUBY KING	10	35	1 00	3 50

Germain

This Signature [25] Denotes Our Recommendation

PUMPKINS

Calabasa

Kuebis

Courge

CULTURE—Plant in May, June and July for best results, about five seeds to a hill and keep three best plants; hills eight feet apart. Soil should be kept damp and free from weeds. When planted among corn take every fourth row. Keep as far from melons and cucumbers as possible, as they are apt to mix. One pound of seed will plant about 400 hills.

CALIFORNIA FIELD. Selected, very large, for stock.

Germain **CALIFORNIA MAMMOTH WHITE.** Distinctively a winter variety, eight to twelve inches long, flesh white, crisp and furnishes a tasty vegetable from the garden in the winter.

CHEESE. Size large; reddish orange; flesh thick, fine and sweet; keeps well.

Germain **CONNECTICUT FIELD, OR JACK O' LANTERN.** A fine variety for dairy ranchers, adding much to the quality and quantity of the milk and butter; an excellent keeper and can be strongly recommended.

CUSHAW, OR CROOK-NECK. Solid, fine, sweet; keeps well.

EASTERN FIELD. A dandy for stock feeding.

ETAMPES. We have endeavored for several years to procure pure stock seed from which to grow this excellent pumpkin. It is the heaviest pumpkin for its size that we know of. It is the canner's favorite because of its thick, deep red flesh and fine, sweet flavor. It is without exception the best for dainty stock and only its scarcity has prevented it from being more widely known.

JAPANESE PIE. The flesh is nearly solid; the seed cavity being very small, fine grained, dry and sweet, having much the taste and appearance of sweet potatoes. They ripen early, keep well and are fine for home use.

LARGE CHEESE OR KENTUCKY FIELD. A very large, flattened variety, averaging about two feet through. When ripened the skin is a rich cream color. Flesh yellow and of fine quality.

LARGE SWEET FIELD. Popular among the local growers; size very large; hardy and productive.

Germain **LARGE YELLOW MAMMOTH POTIRON.** Rich, dark yellow; flesh lighter shade; a remarkable keeper.

MAMMOTH KING OR POTIRON. The best large pumpkin in use. Forms immense globular melons, flattened a little at the end. Skin reddish yellow in color and flesh rich orange. This is unquestionably the very best mammoth pumpkin we have. It runs very uniform in shape and color and all are of immense size.

Germain **MAMMOTH TOURS PUMPKIN.** This pumpkin should be called the Prizetaker on account of its immense size, fine color and thick flesh. It is not only a fine stock food, but its rich flavor makes it valuable for canning or home use. It is a rapid grower and often attains a weight of 150 pounds.

QUAKER PIE. Nearly oval; color creamy white inside and out; flesh sweet and rich; good keeper.

Germain **SWEET OR EARLY SUGAR.** This is the small, sweet pumpkin that has made the New England States famous for their pumpkin pies. Fine-grained; splendid keeper.

TENNESSEE SWEET POTATO. A good variety for making pies and other cooking purposes. It is of medium size, of a white, creamy color, and has an excellent flavor; good keeper.

Germain **WINTER LUXURY.** This variety well deserves its name when made into pies or baked in the oven, as it has both good flavor and rich color. Of medium size, it is a heavy cropper and well deserves a place in every garden.

Pkt. Oz. 1/4 lb. 1 lb.

\$ 05 \$ 10 \$ 15 \$ 50

05 10 30 90

05 10 20 60

05 10 25 70

05 10 25 75

05 10 15 50

05 10 25 80

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05 15 50 1 50

05 15 45 1 50

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05 10 25 75

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RHUBARB OR PIE PLANT

Ruibarbo

Rhabarber

Rhubarbe

CULTURE—Sow in early spring an inch deep, and when well started thin young plants to four inches apart. Rows should be a foot apart and kept well cultivated between rows to get vigorous, sturdy plants. When the plants are one year old, remove to prepared beds in early spring, and place four feet apart each way. Do not cut until the second year; apply manure every fall.

RHUBARB ROOTS, see page 70.

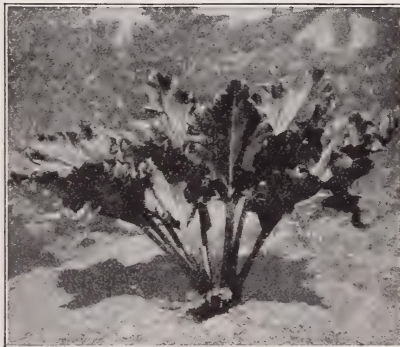
Germain

RECOMMENDS

WAGNER'S GIANT SEEDLING RHUBARB

It is grown from the seed of the famous Giant Rhubarb. Our seed was secured from Mr. J. B. Wagner, the originator and most prominent Rhubarb expert in the world, and is the best that can be gotten. Wagner's Seedling will yield as high as 20 tons per acre, is a strong rapid grower, and very much more productive than the Crim-son Winter. It comes on soon after planting, and unless the ground is frozen it keeps on growing constantly. The stems are twice as large as the Crimson Winter, are hardy in any climate, and will grow and yield handsome returns where the common Crimson variety will be a failure. It is unsurpassed either in flavor, texture, size, or hardness. Germain strongly recommends this variety as the most profitable that can be grown, and is proving itself a tremendous money maker. Price, packet 20 cents, ounce \$1.00, pound \$12.00.

We especially call your attention to the roots of this variety, a description and prices of which will be found on page 70.



Pkt. Oz. 1/4 lb. 1 lb.

\$ 05 \$ 15 \$ 50 \$ 1 50

10 60 2 75 8 00

MONARCH, OR GIANT. Superior variety of large size.

Germain **NEW CRIMSON WINTER.** Introduced by Luther Burbank, and so popular that it is almost impos- sible to supply demand. Is ever-bearing. Can be made to bear when there is no other rhubarb in the market

Germain

This Signature

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Denotes Our Recommendation

RADISHES

Rabano

Radies

Radis

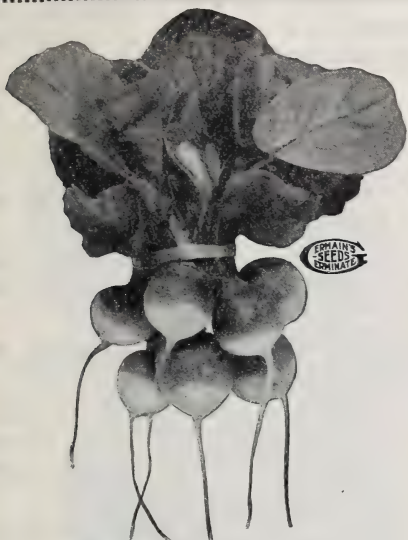
CULTURE—Sow any month of the year: will succeed in any good garden soil not over-moist or too heavy. For early and late crops a warm, sheltered situation should be chosen; for those sown in summer, a rather shady spot must be selected. For a succession, sow every two weeks. The ground where the sowing is to be made should be dug deep and raked fine. The seed is generally sown thinly broadcast, in beds four to five feet wide, with one-foot alleys between. One ounce of seed will sow about 100 feet of drill, or a bed forty square ft. **HORSERADISH ROOTS**, see page 70.

Germain

RECOMMENDS

GERMAIN'S EPIPURE RADISH

Solely a relish, some radishes are often the very opposite on account of the large size and pithy texture, more resembling a turnip or large parsnip. Nothing more epicurean has ever been offered than this select strain of scarlet, white-tipped radish, which is one reason of its popularity among market gardeners. It is the quickest growing radish we know of, maturing in eighteen days. Firm, very mild in flavor and never pithy, it is truly a joy to the planter in every sense. Its dainty size, about that of a marble, and its beautiful coloring make it as pleasing to the eye as to the palate. Packet 10 cents, ounce 15 cents, 1/4 pound 30 cents, pound \$1.00.



GERMAIN'S EPIPURE RADISH



FRENCH
BREAKFAST
RADISH

	Pkt	Oz.	1/4 lb	1 lb
BLACK SPANISH WINTER, LONG. Grows to a large size, of oblong shape; quite solid.	05	10	25	75
<i>Germain</i> BLACK SPANISH WINTER, ROUND. Similar to the long, except in form.	05	10	25	75
<i>Germain</i> CALIFORNIA MAMMOTH WHITE. A winter sort introduced into California by the Chinese; eight to twelve inches long and two inches in diameter, flesh white, firm and excellent flavor.	05	10	30	90
CHARTIER. A long, smooth radish, red above and shading to clear white at the tip.	05	10	25	75
<i>Germain</i> CHINA ROSE WINTER. Medium size, oblong, of a bright rose color; one of the best varieties for winter use.	05	10	25	90
CRIMSON GIANT TURNIP. Twice as large as any other turnip-shape variety; does not get hollow or pithy; flesh white, solid, crisp and mild flavor. Excellent for forcing in open ground.	05	10	30	1 00
<i>Germain</i> EARLY LONG SCARLET SHORT TOP. Without exception the best long bright scarlet radish, very brittle and sweet, matures in twenty-five to thirty days. Very attractive and adapted to the home or market garden.	05	10	25	75
EARLY SCARLET GLOBE. Undoubtedly the best known radish in cultivation; very solid, bright red color and of unequalled quality; is highly recommended for market use.	05	10	25	75
EPIPURE. See specialty above.				
<i>Germain</i> FRENCH BREAKFAST. An early variety with good flavor and very pretty, being a light scarlet tipped with white. A favorite wherever known.	05	10	25	75
JAPANESE SUMMER RADISH. Introduced by Japanese in Southern California some years ago, and has become a great favorite. Grows as long as twenty-four inches and three inches in diameter; very tender, mild and of excellent flavor; always finds a ready market.	05	10	30	90
<i>Germain</i> JAPANESE WINTER RADISH. Strongly resembling the Japanese Summer Radish, excepting in size; grows to eight or ten inches; an excellent winter variety, being crisp and of fine flavor; in color it is pure white, and is becoming very popular.	05	10	30	90
<i>Germain</i> LONG WHITE ICICLE. A very popular long white radish. Very sweet, crisp, and tender all through its growth and reaching a length of six inches.	05	10	25	75
MIXED RADISHES. Supply a nice assortment for the table; of all colors and sizes.	05	10	25	90
MODEL WHITE BOX. A very early round white radish, crisp and sweet.	05	10	25	75
<i>Germain</i> SCARLET TURNIP. The little red turnip shaped radish every one asks for, crisp, tender and of fine flavor. Very quick growing. Tests at our Trial Fields show that our stock of seed of this variety is very fine.	05	10	30	75
SCARLET, OLIVE-SHAPED. Oval; very early and handsome; flesh rose-colored, tender and brittle.	05	10	30	90
<i>Germain</i> SCARLET TURNIP, WHITE-TIPPED. An early variety of excellent quality.	10	30	90	
<i>Germain</i> SCARLET TURNIP WHITE-TIPPED. Turnip shaped, attractive in color, being scarlet and white. It is very quick to mature, being ready for table in twenty days. Excellent flavor, a great favorite with market or home gardeners.	05	10	30	90

ROSELLE

The plants grow from 3 to 6 feet high and bear an abundance of handsome flowers, followed by fruit enclosed in a thick, fleshy calyx from which is made an excellent jelly resembling, but an improvement upon, that made by the black current; 10 cents a packet, 50 cents per ounce.

SALSIFY OR VEGETABLE OYSTER

	Salsifi Blanco	Haferwuzel	Salsifis Blanc
CULTURE —Sow in early spring, one inch deep, in drills one foot apart and thin young plants to three or four inches apart in the row. The soil should be deep and loose, and never allowed to get dry. General care same as for parsnips and carrots.			
<i>Germain</i> SANDWICH ISLAND SALSIFY. An improved type and the largest and most delicious salsify in cultivation. It is growing to favor rapidly with long white tapering roots. It is growing to favor rapidly with all who plant it, as it brings a large price in the market.	05	15	50 1 50

Germain

This Signature

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Denotes Our Recommendation

SQUASHES

Calabasa

Kuerbiss

Courge

CULTURE—Sow after danger of frost is past. Light, warm soil is best. Plant in hills prepared the same as for cucumbers and melons, the bush kinds about four feet apart, and the running varieties from six to nine feet apart, according to their nature, as some will run more than others. Plant about one-half dozen seeds in each hill and thin to three best plants. The earth about the plants should be kept loose and clear from weeds until runners are well started. Cutting off the leading shoots of the running varieties is recommended as having a tendency to promote growth and early maturity of the fruit. One ounce of seed will plant from thirty to fifty hills.

SUMMER VARIETIES

	Pkt	Oz.	¼ lb	1 lb
<i>Germain</i> DELICATA. The earliest and most prolific of the vine squashes. Of small size, flesh wonderfully solid, with small seed cavity. Cooks dry and is richly flavored.	05	\$ 10	\$ 30	\$ 1 00
EARLY GOLDEN BUSH SCALLOPED. Similar in shape to the white.	05	10	25	75
<i>Germain</i> EARLY WHITE BUSH SCALLOPED. An early variety, well-flavored, productive; excellent for market.	05	10	25	75
ITALIAN SQUASH is a bush variety and should be planted five feet apart. It should be used when quite young. When stewed it has a rich, creamy flavor not equalled by another squash. Some gardeners have made considerable money making a specialty of it. For the family garden we would recommend its use instead of the small white bush scallop, because of the excellent flavor and it is much more prolific.	05	10	40	1 25
LONG ISLAND WHITE BUSH. An improved strain of Early White Scalloped Bush; very prolific.	05	10	30	1 00
LONG WHITE VEGETABLE MARROW. An English variety of delicious flavor.	05	15	50	1 50
<i>Germain</i> MAMMOTH WHITE BUSH SCALLOPED. Is much larger in size than the Early White Bush. Flesh clear, waxy white, tender and delicate.	05	10	25	75
SUMMER CROOK-NECK. This is the richest summer squash; very early and productive.	05	10	25	75

WINTER VARIETIES

	Pkt	Oz.	¼ lb	1 lb
BOSTON MARROW SQUASH. This is a very popular quash for fall and winter use. In color it is a bright orange. Flesh yellow, rich and sweet.	05	10	35	1 00
<i>Germain</i> DELICIOUS. A very fine flavored squash, excelling the Hubbard for table use. Good for fall or winter and keeping till late in spring. The rind is dark green, mottled in lighter shade. The flesh is thick and dark orange in color.	05	15	40	1 00
ESSEX HYBRID. An early and rapid growing variety, with thick, rich colored solid flesh, and one of the best keepers.	05	10	25	80
FORDHOOK. One of the best of the late summer varieties, and will keep till the following May if stored in a cool dry place. Thick skin of a bright yellow color, heavy meat that can be used at any stage of growth.	05	10	25	80
<i>Germain</i> HUBBARD. Best winter variety; vigorous, productive. Fruit large, weighty, moderately warted, hard shell; color dark bronze green. A fine grained, thick, dry, richly flavored, orange-yellow flesh. Baked, it is similar to and as luscious as a sweet potato. We have spent a great deal of time and attention in selecting our stock and confidently recommend it.	05	10	35	1 00
<i>Germain</i> MAMMOTH CHILI. Grows to immense size, often weighing over 200 pounds; very productive.	05	15	40	1.25
<i>Germain</i> PIKES PEAK or SIBLEY. A new, old variety that deserves all the good things that are said about it. It is preferred to any other by those who know it. Similar to the Hubbard, but a great improvement on it.	05	10	25	80
RED or GOLDEN HUBBARD. Similar to the Green Hubbard, except in color, which is a bright, deep orange.	05	10	35	1 00
WINTER CROOK NECK. A good fall variety; flesh close-grained and sweet.	05	10	30	1 00

SORREL

Acadera

Sauerkampfer

Oselle

CULTURE—Sow any time in deep, moist soil, even sour soils are preferable to what is considered good garden loam. Used same as spinach.

<i>Germain</i> LARGE-LEAVED FRENCH. Used for salads, and highly recommended when cooked like spinach.	Pkt	Oz.	¼ lb	1 lb
	05	15	40	1 25

SPINACH

Espinaca

Spinat

Epinard

CULTURE—An all-year crop. Sow early in spring, in drills one foot apart, and thin the plants as you need them for cooking. For winter and spring use, sow in September. One ounce of seed will sow about seventy-five feet of row.

	Pkt	Oz.	¼ lb	1 lb
BLOODSALE, or SAVOY-LEAVED SPINACH. A favorite with market gardeners. It has thick, dark green wrinkled leaves and is very hardy. The earliest variety and one of the best for autumn use.	05	10	15	40
<i>Germain</i> LONG STANDING. Leaves large, thick and crimped with a fleshy appearance. Hardy and adapted to either fall or spring sowing. Slow to seed, hence the name.	05	10	15	40
NEW ZEALAND. Abundant producer throughout the summer; transplant three feet apart each way.	05	15	30	1 00
<i>Germain</i> PRICKLY or FALL. A splendid fall or winter sort, also does well planted in the spring. Quick growing with large dark green leaves.	05	10	15	40
ROUND or SUMMER. A very hardy round, thick leaved variety adapted to early spring sowing. Matures quickly, very tender and fine flavored.	05	10	15	40

WINTER CROOKNECK SQUASH

Germain

This Signature

[28]

Denotes Our Recommendation

TOMATOES

Tomate

Liebesapfel

Tomato

CULTURE—Sow in hot bed or frame, about September 1, for winter crop in frostless belts, or in early spring for summer crop. Growth must never be checked or a shortened fruit crop will result. When the plants are two or three inches high, thin them out and set in pots or in another bed, to give them room and make them "stocky." When five or six inches high, if the weather be warm and settled, transplant them to open ground, selecting a rainy day if possible; in the absence of rain, water and protect till well rooted. Set plants four feet apart each way. One ounce of seed will produce 3000 plants. The tomato requires a rather light soil to ripen early, but if handsome fruit and a plentiful crop be desired, very rich soil should be selected and good cultivation given.

PLANTS, see page 70.



GERMAIN'S NEW STONE TOMATO



BEEFSTEAK TOMATO



SPARKS EARLIANA

Germain RECOMMENDS

GERMAIN'S NEW STONE TOMATO

Our strain of this good old sort has come to be recognized as the greatest shipping and canning variety ever introduced on account of its firm flesh, and well established and acclimated type. It is a beautiful bright red, of large, uniform size, and with very few seeds. Sliced it is most appetizing to look upon and of pleasing flavor. The New Stone was originally a mid-season variety, but is grown generally throughout the Southwest from spring until fall. We use extreme care in selecting this seed so that we can recommend it to our customers with the utmost confidence. Price, packet 10 cents; ounce 50 cents; ¼ lb. \$1.25; pound \$4.00; plants 20c per dozen.

	Pkt	Oz.	¼ lb	1 lb
ACME. One of the earliest and handsomest varieties. Fruit of medium size, perfectly smooth and regular in shape; a great bearer; color dark red with a purplish tint.	05	25	75	2 50
ATLANTIC PRIZE (Early Ruby). A favorite early variety. Color rich crimson.	05	25	75	2 50
LIVINGSTON'S BEAUTY. Of large size; grows in clusters of four or five; color glossy crimson with a purplish tinge.	05	25	60	2 00
<i>Germain</i> BEEFSTEAK. This variety has been exceedingly popular with our customers and our sales have been enormous. It is one of the best, if not the best tomato grown. It is very prolific and its growth is a marvel. For the home garden it cannot be surpassed. Of a bright red color, with very firm, substantial meat and luscious flavor. We take pleasure in again presenting this favorite to our customers.	10	35	1 00	3 50
<i>Germain</i> CHALK'S EARLY JEWEL. Nearly as early as Earliana. Fruits are large and of fine flavor.	05	25	75	2 50
CRIMSON CUSHION. Of large size, often weighing one pound; nearly round, solid and smooth; color rich crimson; delicious for slicing.	10	35	1 00	3 50
DWARF CHAMPION. An early and distinct variety, medium in size; plant of dwarf and compact growth.	05	25	75	2 50
DWARF STONE. Vine resembles Dwarf Champion, but stronger. Fruit same color and size as the New Stone.	05	25	75	2 50
<i>Germain</i> GERMAIN'S WINTER QUEEN. See back cover.				
GOLDEN QUEEN. The best yellow. Has a fine appearance and a distinct flavor.	05	20	60	2 00
JUNE PINK. A smooth purple-fruited tomato, maturing early, resembling the Earliana in shape and size, differing only in color. Large size, early.	10	30	90	3 00
LIVINGSTON'S FAVORITE. Beautiful shape, smooth and a good bearer; ripens evenly.	05	20	60	2 00
MATCHLESS. An old variety of splendid qualities, rich red in color and a fine keeper.	06	20	60	2 00
<i>Germain</i> GERMAIN'S NEW STONE. See specialty above.				
PERFECTION. A good quality and very prolific.	05	20	60	2 00
<i>Germain</i> PONDEROSA. Grows to enormous size, sometimes weighing from two to three pounds each; very smooth and solid.	10	35	1 00	3 50
<i>Germain</i> SPARK'S EARLIANA. Early and prolific; very solid and noted as a good shipper.	05	25	75	2 50
STRAWBERRY OR GROUND CHERRY. A distinct species; grows enclosed in a husk; excellent for preserves.	10	35	1 00	3 50
TROPHY. An old favorite much esteemed for its productiveness and hardness. While somewhat irregular, it is of fine quality and valuable for canning. Scarlet in color. The demand for this variety has induced us to list it this year.	05	20	70	2 00
YELLOW PEACH. Beautiful clear yellow color.	05	25	75	2 50
YELLOW PLUM. Fruit plum-shaped, of clear, deep yellow color.	05	25	75	2 50
YELLOW PEAR. A small early variety good for preserves.	05	25	75	2 50

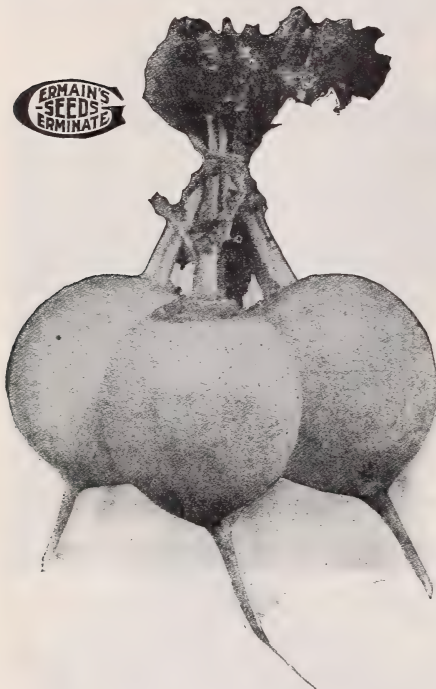
TURNIPS

Nabo

Ruebe

Navet

CULTURE—Sow during cool weather, from October to April. For early crops, sow the Early White Flat Dutch or Early Purple Top Milan during early winter; and for summer crops sow any of the other varieties at intervals of two weeks, in drills twelve inches apart; cover the seed lightly unless the season be very dry; thin out the plants to six or eight inches apart. For Fall or Winter use, sow the Golden Ball or Purple Top Strap Leaf. Success in raising turnips depends upon the selection of soil and its subsequent preparation. Stir deeply.



SNOWBALL TURNIP

RECOMMENDS EARLY PURPLETOP MILAN TURNIP

This choice variety is not only a beautiful and unusually delicious vegetable, but pleases the grower by maturing a week earlier than the earliest of other sorts. It is of medium size, flat and thick, with a smooth, bright purple top, snow white flesh, and little given to leaves. It accommodates itself to either spring or fall maturity, and is a delight to those who appreciate the food value and fine flavor of a good turnip. A heavy cropper, it deserves the greatest favor from the market gardener, and is surely a top notcher for the home garden. Packet, 10 cents; ounce, 15 cents; one-fourth pound, 40 cents; one pound, \$1.25.

	Pkt	Oz.	1/4 lb	1 lb
COW HORN. This variety is pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green manuring crop.	\$ 05	\$ 10	\$ 25	\$ 70
EARLY PURPLE TOP MILAN. See Specialty above.				
EARLY WHITE EGG. An egg-shaped variety for spring and fall sowing; flesh firm, fine-grained, mild and sweet.	05	10	25	75
EARLY WHITE FLAT DUTCH. White flesh, medium size, quick growth.	05	10	25	75
RED TOP WHITE GLOBE. One of the handsomest and most salable turnips. Equally good for home or market. It is a large, rapid growing sort, flesh pure white and the best flavor of any turnip grown. The skin is white with red top, making it very attractive. We have taken great care with this stock, and offer it with confidence that our friends will be fully satisfied with this fine turnip.	05	10	25	75
GOLDEN BALL. Round, smooth English turnip of fine quality, skin bright yellow, good keeper.	05	10	25	75
PURPLE TOP STRAP LEAF. Very productive, matures quickly; flesh white and sweet.	05	10	25	75
EARLY SNOWBALL. Some people may think that a turnip is a turnip, not realizing the great difference between the average stringy, pulpy vegetable and the sweet, mellow, crisp possibilities that have been achieved in the perfection of the Snowball. It was first introduced into this section by us several years ago, and our supply of seed this season is so unusually fine that we are strongly recommending it. Germain's Snowball will respond to any reasonable desire for early maturity; grows even in size and is most completely described by its name—pure white and round as a ball.	10	15	40	1 25
WHITE GLOBE. This turnip in rich ground grows to a large size of the same shape as the Redtop White Globe but much larger, attaining a weight of five and six pounds. Skin and flesh pure white; matures quickly.	05	10	25	75

GRASS SEEDS

Write for Quantity Prices

N. B.—Prices on one half pound and one pound include postage or expressage prepaid. When sent otherwise deduct ten cents per pound or fraction thereof.

BERMUDA GRASS (*Cynodon Dactylon*). Suitable only for climates where the winters are not below the freezing point. It stands the hottest and driest season. Sow six pounds per acre. Pound 75 cents.

KENTUCKY BLUE GRASS (*Poa Pratensis*). One of the best grasses for permanent pasture, furnishing a constant supply of the most nutritious feed during the greater part of the year. Sow 28 pounds per acre. For prices, see page 39.

For Lawns—Blue Grass is used very extensively for lawns and is found in all lawn grass mixtures.

CRESTED DOGS TAIL (*Cynosurus Cristatus*). A perennial grass with short, narrow leaves; valuable for lawns or pastures on dry, light land. Pound 50 cents.

CREeping BENT GRASS (*Agrostis Stolonifera*). Well adapted for sandy pastures near the coast, and good for pasture on low lands. If sown alone, use 25 pounds per acre. Excellent for lawns. Use 12 to 15 pounds per 50-foot. Pound 40 cents.

ITALIAN RYE (*Lolium Italicum*). A quick-growing grass, attaining a height of 2½ to 4 feet; very desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and bears an abundance of foliage that makes the best and sweetest hay imaginable. Sow 40 pounds per acre. Pound 25 cents.

ENGLISH RYE GRASS (*Lolium Perenne*). A strong growing, hardy perennial grass, noted for its nutritive qualities. Is equally valuable for both grazing and hay. Forty pounds per acre. For Lawns this is used and recommended by many gardeners. If sown thickly it makes a fine lawn, and for large grounds and parks it is very successful. Pound 25 cents.

FESCUE RED (*Festuca Rubra*). Forms a close rich sod, thrives well in dry, sandy and acid soils. Leaves are broadish, flat; root extensively creeping, throwing out lateral shoots. Valuable in lawns and should be included in putting green mixtures. Pound 50 cents.

Various Leaved Fescue (*Festuca Heterophylla*). Grows 2 to 3 feet high, valuable for permanent meadows, either for mowing or grazing. It is especially valuable as a lawn grass for shady places. Pound 40 cents.

RED TOP (*Agrostis Vulgaris*). A good perennial grass. Generally sown for permanent pastures. Does best on moist or even marshy land. If the ground is not overflow land it is advisable to mix it with Meadow Fescue, Orchard Grass or Alsike Clover. Sow 14 pounds hulled. Pound 35 cents.

RHODE ISLAND BENT (*Agrostis Canina*). Resembles Red Top. Makes a close sod; valuable for permanent pastures and meadows. Twenty-eight pounds per acre. For lawns, use 12 to 15 pounds per 50-foot lot. Gives good results. Pound 50 cents.

SWEET VERNAL (*Anthoxanthum Odorum*). Valuable to put in pasture mixtures and lawn grass on account of its earliness and its delightful fragrance when in bloom. Twenty-eight pounds per acre, but this grass is recommended only for use in mixture. Pound 55 cents.

TIMOTHY (*Phleum Pratense*). This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall. Sow 15 to 20 pounds per acre. Pound 20 cents.

WOOD-MEADOW GRASS (*Poa Nemoralis*). As a lawn grass its creeping roots soon form a good turf. Of early growth and thriving well under trees where other grasses will not grow, most valuable lawn mixture, especially for shady places. Pound 60 cents.

Germain

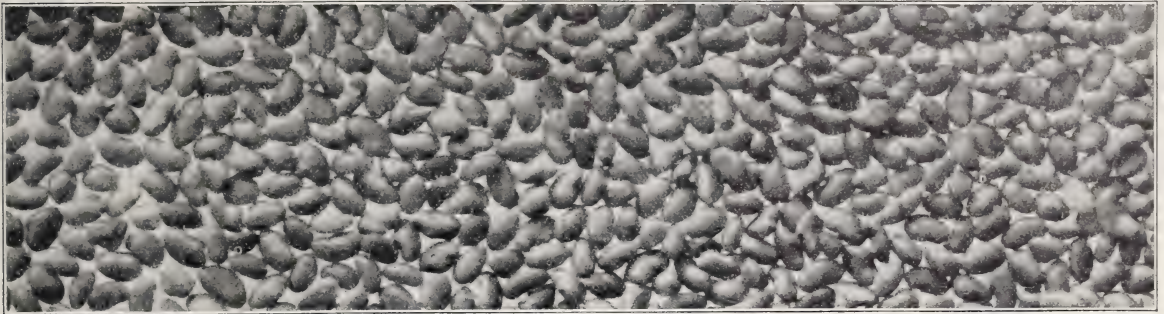
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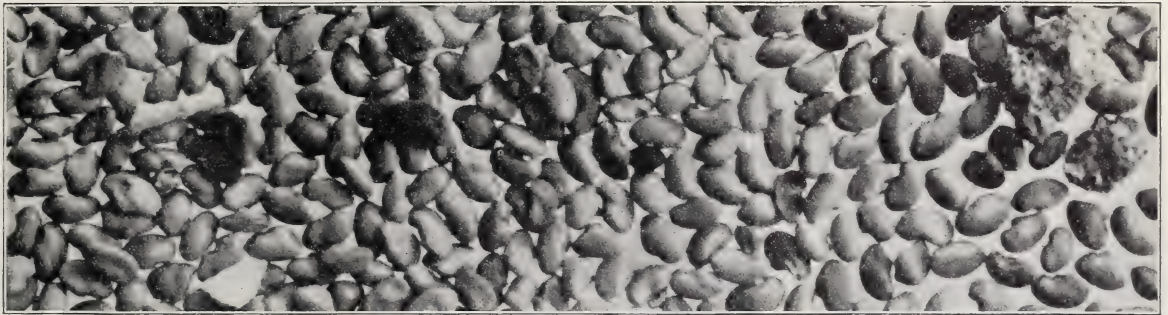
Denotes Our Recommendation

ALFALFA (Lucerne)

Write for our Complete Pamphlet on Alfalfa—IT'S FREE



Germain's Premium Alfalfa Seed



Good Commercial Alfalfa Seed

Microscopic Photographs, Showing the Purity of Germain's Premium Brand Alfalfa Seed

GERMAIN'S PREMIUM BRAND ALFALFA SEED

The average grower can hardly appreciate what care and expense is necessary in the securing and cleaning of Germain's own brand—Premium Brand Alfalfa Seed. For years we have recognized the importance of this crop in the Southwest and have pursued every avenue possible for the perfection of purity, which means so much to the grower. Many novices in the agriculture of the West have suffered serious reverses through the planting of alfalfa seed that was foul with dodder, love vine, or other noxious weed seed ruinous to the crop. These seeds are difficult of detection to the naked eye, but as the importance of clean seed became more apparent, this company purchased the most modern recleaning machinery obtainable, and inaugurated the most rigid system in the buying of alfalfa seed.

First of all, every pound of Premium Brand is grown from fields that have been carefully examined in the green by Germain experts, not only for weeds, but with care as to its healthy appearance and virility. The least indication of noxious weeds or poor vitality is sufficient for the rejection of the field; and during harvesting our inspectors are on the ground to see that no rejected fields are headed for Germain shipments. After two cleanings in the field, the seed is shipped in tightly woven bags to our city warehouse, where it is again run slowly through our recleaning plants, and given a microscopic test at intervals sufficient to prove the seed the best that modern scientific methods can produce. It is then given a most rigid laboratory test for purity, waste and germination. Once in the hard thread cotton bags bearing the stenciled mark, "Germain's Premium Brand," and sealed with our lead seal, the buyer is guaranteed the most virile, cleanest, best value for the money, and altogether satisfactory seed ever marketed. Price 35 cents per pound, postpaid. Quantity price, with samples, on request.

Standard Quality. We can also furnish the standard commercial grades at market prices. Quotations, with samples, on application.

MISCELLANEOUS CLOVER SEEDS

Owing to Frequent Market Fluctuations write for Quantity Prices

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise deduct ten cents per pound or fraction thereof.

INCREASE YOUR TONNAGE. Expense, time and labor is the same whether your crop be large or small. At a cost of only \$2.00 per acre you can get a fifty per cent. larger tonnage (in clover crops) by inoculating your seed, which we strongly advise. For particulars, see pages 32 and 33.

ALSIKE (*Trifolium hybridum*). Very hardy, resisting cold and drought and is also well adapted for sowing on cold wet land. It yields a large amount of hay or pasture and makes a good bee plant; 45 cents per pound.

BOKHARA, OR SWEET CLOVER (*Mellilotus*). Grows 3 to 5 feet high, covered with small, white flowers of great fragrance. Very valuable for bee pasture. Sow 10 pounds to the acre. Pound 40c.

BURR CLOVER. Strongly resembling alfalfa. It is a great nitrogen-gatherer. Orchardists regard it with great favor as a green fertilizer, thriving in shady places where peas fail. Hulled, solid seed, free from burr. Fifteen pounds per acre; 30 cents per pound.

ITALIAN CRIMSON, OR SCARLET (*Trifolium incarnatum*). Used chiefly as a soil improver; 40 cents per pound.

JAPANESE (*Lespedeza striata*). Makes a fine pasture plant for barren land, where it will grow eighteen inches high; on good soil it grows thirty inches. Stock of all kinds relish it. 50 cents per pound.

MAMMOTH RED, OR COW GRASS (*Trifolium pratense* perenne). Very vigorous grower. 40 cents per pound.

MELILOTUS CLOVER. A strong growing plant of the clover family yielding a large amount of humus and nitrogen and having a great root system. Recommended by the Agricultural Experiment Station of Arizona for sowing in Citrus groves. Sow ten pounds to the acre. Write for free pamphlet on this great cover crop; 25 cents per pound.

RED (*Trifolium pratense*). Should be in all pasture mixtures; 40 cents per pound.

WHITE (*Trifolium repens*). See page 39. Pound 70 cents.

Germain

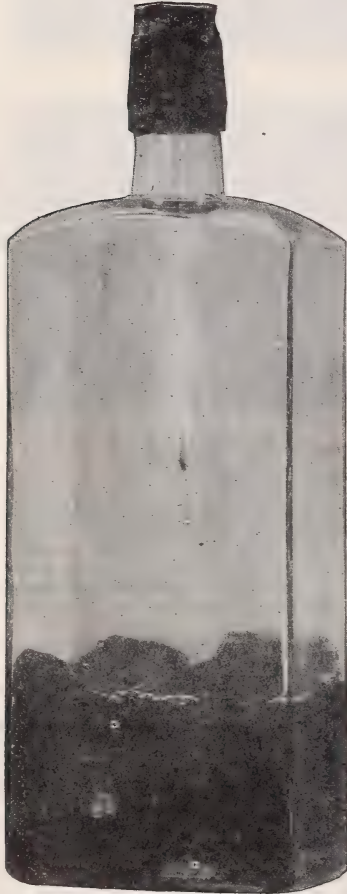
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Denotes Our Recommendation

FARMOGERM

Laboratory Science Brought to the Farmer and Horticulturist in Bottles



The Dark Substance at the Bottom is
Jelly in which the Bacteria Live.
Note the Air Tube Extending
Down from the Cork

FARMOGERM

MOST expensive of all commercial fertilizers are those used for the addition of nitrogen; furthermore, this element of plant life is the most volatile and is therefore easily lost from the soil through evaporation and leaching. Now comes from the chemical laboratory the discovery of practical, commercial means for propagating the bacteria in untold millions, and preserving them for transportation.

Essential to all growth in the vegetable kingdom is the element of nitrogen, particularly to the legumes, which include alfalfa, peas, beans, clover, vetches, foenugreek, etc. So necessary is nitrogen to this family that nature has provided the plants to a greater or less degree with roots which are a natural home for the microscopic nitrogen gathering bacteria which exist to some extent in nearly every soil. It is within a comparatively few years that the real importance of these bacteria has been understood, and efforts made to encourage their propagation. For decades the only remedy for crops suffering for nitrogen was the application of manure or other nitrogen carrying fertilizer.

Farmogerm is simply the trade name for the most highly bred culture of the nitrogen gathering bacteria, manufactured by the Earp-Thomas Farmogerm Co. of New Jersey. By means of specially designed bottles the bacteria are preserved against the entrance of destroying bacteria from the air, yet sufficient nitrogen is allowed to enter to keep them alive and virile.

Farmogerm is applied preferably direct to the seed before planting, by diluting the jelly containing bacteria with water and mixing with the seed. When desired we will inoculate the seed for our customers at a nominal charge. Farmogerm can also be applied to planted fields by sowing a small quantity of inoculated seed, or sprinkling inoculated soil over the area. Read the official statements on the opposite page carefully—they will convince you of your need for Farmogerm.

Farmogerm is put up in specific cultures for the different crops—alfalfa, vetch, peas, beans, melilotus clover, fenugreek, cow peas, soy beans, Canada field peas, red clover, lupins, and all other legumes. Specify crop to be inoculated when ordering.

PRICES

One acre size.....	\$2.00
Five acre size.....	9.00
Garden size.....	.50

Complete Treatise on Farmogerm and Bacteria Fertilization Free

**POSITIVE RESULTS --- SMALL EXPENSE
NO SCIENTIFIC KNOWLEDGE NECESSARY**

Conclusions on Farmogerm by a Scientific Agriculturist

Years ago I tried the artificial cultures of legume bacteria sent out by the Department of Agriculture without any result of value. I tried another commercial culture known as Nitragin, also, without any profitable results. In both cases the bacteria had evidently not survived.

These experiments made me very doubtful of the value of any of the artificial cultures, and when farmers began to write to me, asking about the latest of these cultures, known as Farmogerm, I advised them that I had no faith in artificial cultures of legume bacteria, and that they should go very slow in testing it until they found that the claims made for it were true.

But of late I have carefully investigated these claims. I have seen the results of the inoculation of the seed of the legume with this culture and have made an experiment with it myself. I was disposed to look with some favor on the article as soon as I saw the means adopted for the preservation and transportation of the bacteria. I never saw a more ingenious, truly scientific method used for the growth and preservation of the bacteria and keeping them completely protected from other forms than in the curiously aerated vials in which the bacteria are sent out. It struck me at once as the only really scientific way to transport and keep them alive, while the ingenious means of furnishing air while excluding all other germs convinced me that here was a man who not only understood laboratory methods of breeding,

but had devised a plan for their safe transportation and life for a long time which is far more certain than the bacteria would be living and growing when they reached the hands of the farmer.

That this culture will wonderfully increase the number of nitrogen-fixing bacteria on the legumes, I no longer have any doubt, and I am satisfied that here at last we have a handy and certain means for the inoculation of the seed of the different legumes that will introduce immensely more and more vigorous bacteria than any other method I am acquainted with. Especially in the specimens of Hairy Vetch grown from seed on which the Farmogerm was used the nodules are wonderfully abundant and of large size, and the difference between these and the plants grown without the inoculation is very marked not only in the number and size of the nodules, but in the vastly superior growth of the plants themselves, showing that there has been a very decided increase of Nitrogen assimilation.

I am now, after being a doubting Thomas, ready to recommend the use of Farmogerm to the farmers for the inoculation of legume seed.

(Signed) W. F. MASSEY.

North Carolina Department of Agriculture,
Raleigh, N. C.

STARTLING RECORD

Some time ago I wrote you stating that I would send you the results of my alfalfa experiments as soon as I obtained the data.

In North Louisiana, in the hill region, an acre was planted which gave excellent results. The results of this plot were as follows:

Plot No. 1, one-quarter acre, inoculated and limed at the rate of 2,500 pounds to the acre, gave a yield for the four cuttings at the rate of 6,004 pounds per acre.

Plot No. 3, one-quarter acre, limed but not inoculated, gave at the rate of 350 pounds per acre.

Plot No. 2, one-quarter acre, inoculated but not limed, gave a yield at the rate of 5,220 pounds per acre.

Plot No. 4, one-quarter acre, not limed nor inoculated, gave at the rate of 720 pounds per acre.

(Signed) C. W. EDGERTON.

Plant Pathologist, Louisiana
College of Agriculture and
Agricultural Experiment
Stations.



From an Actual Photograph of Alfalfa from
Adjoining Fields, without and with
Farmogerm Inoculation

CROP NURSING

In reply to your letter of some time ago, I will say that I have an experiment with Farmogerm on the A. & M. College campus at Americus that you certainly should see. Where the vetch was inoculated it is 6 to 10 inches high and has the largest nodules on the roots I ever saw. Where it was not inoculated, the plants are no more than 1 inch high; they are yellow, sickly, and all dying.

The rye growing in vetch on the inoculated area is fully four times as large as the other, showing, of course, that these plants are utilizing the nitrogen that the inoculated vetch is securing from the air.

I also find that wild vetch grows well on this soil and would not expect artificial inoculation to be of such value.

I am thoroughly convinced that the farmers of this State should devote more of their time to the growing of leguminous crops and that in most cases inoculation is absolutely necessary.

(Signed) ROY E. RAST.

Assr. in Agron, Georgia College
of Agriculture.

Would Not Plant Without It

I inoculated all my alfalfa seed planted last April on seventy acres, and in twenty acres planted this last spring. I certainly have a fine field of alfalfa, and it seems to be the universal opinion of the people here. I have spoken to them about the Farmogerm, as I feel that the good results from my fields is from its use. Two years ago my ranch was a barley field and had been planted to grain for fifteen years or more.

In regard to the Farmogerm I certainly believe it a good investment for any one planting alfalfa, and would not think of planting without it.

JOHN B. COMWELL,

Rancho Monte Visto, Cal.

July 24, 1913.

From An Experienced Grower

In reply to your request I will say that of five hundred pounds of alfalfa seed, I sowed one-fourth to one-half an acre without inoculation and the difference is very great. The inoculated field on the first cutting gave double the amount of hay, and the roots are loaded with nodules of bacteria. The soil is a mattress of roots or feeders and the two alfalfas standing side by side show a great difference. I will never sow any alfalfa seed without it being inoculated properly.

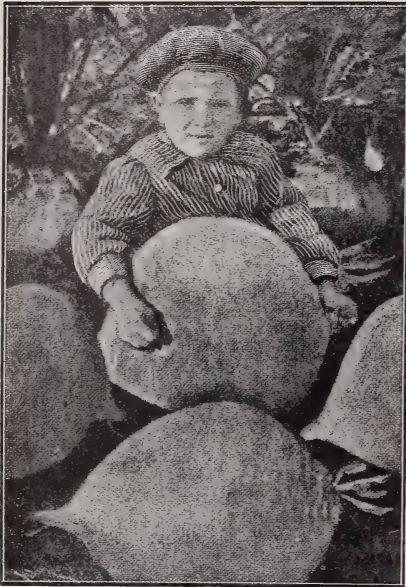
Yours very truly,

JULES E. TISSOT,

June 13, 1912.

P.S. I have been raising alfalfa for over thirteen years.

Chino, Calif.



GERMAIN'S CHAMPION YELLOW GLOBE



LEAMING

STOCK BEETS

REDUCE YOUR FEED BILL.

Our special pamphlet on this subject will tell you how. Write for it—it's free.

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Sow from October to May on well cultivated deep, rich soil in drills twenty-four to thirty inches apart. Eight pounds will sow an acre. Invaluable for stock feeding.

Germain **CHAMPION YELLOW GLOBE.** Its shape and yield makes it one of the best varieties grown; easily harvested

Germain **GIANT HALF SUGAR MANGEL.** A distinct type of beet, producing roots of enormous size of the highest feeding value. It is a cross between a mangel and sugar beet; globe shaped.

Germain **GOLDEN TANKARD.** Rich yellow color, sweet flavor and yields heavy crops of fine-shaped roots. One of the best milk-producing sorts.

Germain **IMPROVED MAMMOTH LONG RED.** Our stock is a great improvement on the old variety. The roots are very large, uniformly straight and well formed; color deep red; roots solid; tops small; produce an immense bulk and tonnage.

Pkt	1 lb	10 lb	100 lb
05	40	2 50	
05	40	2 50	
05	40	2 50	
05	40	2 50	

Special Prices

SUGAR BEETS

These varieties are also excellent for stock feeding.

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise deduct ten cents per pound or fraction thereof.

LANE'S IMPROVED IMPERIAL. Probably more largely grown than any other sugar beet for feeding to stock. It will yield as much as mangel and contains a large per cent. of sugar.

KLEIN WENZEL. This splendid sugar beet is one of the greatest milk producing roots known; in shape conical, straight and even, large at the head and rapidly tapering. Every stock raiser should plant this fine sort.

Germain **VILMORIN'S IMPROVED WHITE.** A much improved variety of the White Silesian, extensively cultivated as a sugar-producing beet; very valuable.

Pkt	1 lb	10 lb	100 lb
05	40	2 50	
05	40	2 50	
05	40	2 50	

Write for

RUTABAGA OR SWEDISH TURNIP

CULTURE—Same as for common turnip, but if anything, less exacting in care.

Germain **IMPROVED YELLOW PURPLE-TOP.** The old, popular standard sort both for stock feeding and table use; flesh yellow, solid and sweet.

LARGE WHITE. A very superior white-fleshed variety of large size and fine quality.

Pkt	Oz.	¼ lb	1 lb
05	10	25	75
05	10	25	75

CORN—FIELD

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof. Prices listed are subject to market changes.

CULTURE—Differs in no wise from that given above for sweet corn.

Germain **CHAMPION WHITE PEARL.** This stalk is short and thick. The ear grows low on the stalk, from seven to twelve inches in length, almost parallel throughout, of medium size, averaging sixteen rows of grain.

Germain **EARLY MASTOON.** The largest yellow corn grown. It has been known to yield over 200 bushels to the acre. The ears are even in size, cob small, with deep yellow grains. A vigorous grower and sure to give satisfaction.

Germain **HICKORY KING.** This corn is entirely distinct from all other varieties, having the largest grain with the smallest cob ever introduced in a white corn.

IOWA GOLD MINE, IOWA SILVER MINE.

Germain **KING OF THE EARLIES, KING PHILIP.**

Germain **LEAMING.** One of the best medium early varieties in the market. The ears are large and handsome, with deep, large grain; orange-yellow color, and small red cob; very productive; shells very easily.

MINNESOTA KING. Exceedingly popular in the Northwest. Cob small, but covered to top with large beautiful yellow grains.

WISCONSIN WHITE DENT.

Pkt	1 lb	10 lb	100 lb
	20	50	
	20	50	
	20	50	
	20	50	
	20	50	
	20	50	
	20	50	

for Prices

CORN—POP

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Requires same care and culture as a sweet corn.

Germain **QUEEN'S GOLDEN.** A large-eared and handsome yellow pop-corn; grains are large, pop perfectly white and are exceedingly tender. About six feet high, and yield three or four ears to the stalk.

Germain **WHITE RICE.** A popular and productive variety. The kernels are fine, white, and the ears are from four to five inches in length and from one to one and a quarter in diameter.

Pkt	1 lb	10 lb	100 lb
	20	1 20	
	25	1 20	

Write

CORN—ENSILAGE

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Usually thickly sown in drills, but occasionally broadcasted and rarely mixed with other cereals for silage crop. Sow 70 to 85 pounds per acre.

RED COB ENSILAGE. A pure white corn on a red cob. Sweet, tender, juicy, has short joints and produces abundant foliage. Every dairy farmer should grow this sort; produces large crops.

Pkt	1 lb	10 lb	100 lb
\$ 05	\$ 20	\$ 50	\$ 50

BEANS AND PEAS

Be sure to read pages 32 and 33.

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct 10 cents per pound or fraction thereof.

THE TEPARY BEAN---A NEW SOUTHWESTERN LEGUME

A small white bean. Excelling the well known Navy for drying purposes. A much heavier yielder than any other variety of dry bean and withstands protracted seasons of drought without permanent injury. The Tepary is also inured to the greatest extremes of our summer temperature and will bloom and set during any month from May to November. Yields from 1000 to 1500 lbs. per acre, requiring from 90 to 100 days from time of planting till ready for harvest. When used in rotation with grain and forage planting, will maintain the nitrogen and humus content of the soil, and at the same time provide a money return which is sure and profitable. Per pound, 20c.

Write for special literature and prices in quantities.

BEANS

BAYOU. As an article of food they are fully equal to the pink or Mexican "frijole." Per pound 25 cents.

CASTOR. Used for planting in poultry yards and ornamental grounds to afford temporary shade and landscape effects. Pound 25 cents.

MEXICAN PINK BEAN. One of the most successfully grown varieties. It is a first-class bean, and people of Spanish descent prefer it to all other varieties. Per pound 20 cents.

SMALL NAVY. The most popular dry bean for cooking. Per pound 20 cents.

LADY WASHINGTON. A small white kidney shaped bean; heavy bearer. Per pound 20 cents.

SOJA. Used as a substitute for coffee, also as a forage plant. They are highly recommended as a soil improver. Pound, 25 cents.

ENGLISH OR BROAD. Refer to page 9.

FIELD PEAS

Forty or Fifty Pounds per Acre

CANADIAN, WHITE. Highly valued for plowing under in orchards as a soil improver; 20 cents per pound.

PRUSSIAN, BLUE. Similar in habit of growth to the white; 20 cents per pound.

GARBANZO or CHICK PEA. Culture same as Bush Beans; withstands dry weather well; grows two feet high, making a bushy, hairy plant. The ripe seeds are very desirable for cooking. Per pound 20 cents.

COW PEAS

Sixty to Ninety Pounds per Acre

WHIPPOORWILL. A bunch-growing variety; great favorite; brown speckled seed; 20 cents per pound.

BLACK EYE. Used in some sections as food; 20 cts per pound.

NEW ERA. An early maturing variety, which has proved very popular and satisfactory. Upright growing, quick to mature, remarkably prolific, making splendid dry forage; 20c per pound.

POTATOES

Owing to constant market fluctuations please write for prices.

Patata

Kartoffel

Pomme de Terre



EARLY HARVEST KING POTATO

CULTURE—Plant all year in California. The soil best suited to the potato is a rich, sandy loam, but it seems to thrive in almost any soil or climate. The potato, being a gross feeder, requires a liberal application of manure; it should be well rotted, and not allowed to come in contact with the tubers. On no other crop are the results from the use of phosphates so manifest as on the potato; almost invariably the tubers are smoother, brighter and freer from rust and the destructive influence of wire worms. The best fertilizers are super-phosphate of lime and lime-dust. Plant in rows three feet apart and one foot in the rows, covering about four inches; draw the earth to the plants as they advance in growth.

The seed potatoes we send out are not only the best we can supply, but the best to be had. They will be not only strictly true to name, but hand-sorted, selected stock.

CHANGE YOUR SEED—There is a profit as well as a satisfaction in planting our seed, for, not only is it pure, but the additional yield to be secured from a change of seed fully pays for the seed, so that the investment itself is nothing.

USE FORMALDEHYDE—Our seed is clean, healthy and free from scab; and in order that the product may be equally so, we urge our customers to treat the seed they plant with Formaldehyde, as their soil may be infected. Formaldehyde prevents scab, increases the yield and improves the quality of the potato.

BURBANK. Best late variety, so well known as to need no description.

EARLY HARVEST KING. Is the greatest yielder of any early potato known, the best for two-crops. Large white tubers, very rich and delicate in flavor, splendid mealy potato when cooked.

EARLY OHIO. A popular variety, stands dry weather; a good producer.

RED ROSE. Similar to White Rose, except in color of skin.

RED TRIUMPH. Very prolific and earlier than Red Rose. The color of skin is light red, size medium, nearly round and uniform in growth, flesh white and mealy.

WHITE ROSE. A well known variety, early, hardy and productive.

SWEET POTATOES

We will be able to supply potatoes of such varieties as Yellow Nansemond, Large White and Jersey Red during the fall and winter up to February. Plants after March.

PLANTS, see page 70.

Germain

This Signature

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Denotes Our Recommendation

GRAINS

Owing to frequent fluctuations we request that you write for quantity prices.

BARLEY

Sow 100 pounds to the acre

HULLESS OR BALD. Does not shell in the field; grows about the same height as the common variety, and two to three weeks earlier.

BEARDLESS BARLEY. A new variety; vigorous grower and produces a good crop; beardless and easy to handle.

COMMON. Large heads of large grain; heavy yielder.

BUCKWHEAT

SILVER HULL. A prolific and favorite sort, making a fine quality flour. Superior in every way to the ordinary buckwheat; growing longer and being a quicker bloomer. For beekeepers it is one of the best plants to grow. Pound 20 cents.

JAPANESE. This variety ripens a week sooner than the Silver Hull; yields more largely than that variety. Per pound 20 cents.

OATS

Sow 100 pounds to the acre

RED RUST-PROOF (Texas Grown). A heavy yielder and sure cropper and entirely rust-proof; best variety for growing in California.

RED RUST-PROOF (California Grown). Extra choice and heavy, re-cleaned seed; free from all light and chaffy seeds.

RYE

Sow 100 pounds to the acre

RYE. An excellent catch crop for fodder or grain; also very desirable to sow with legumes for cover crops.

SPELTZ

SPELTZ, OR EMMER. A valuable substitute for oats and barley. It outyields oats, barley, wheat, etc., in bushels per acre and is superior to oats and barley for feed. Pound 20 cents.

WHEAT

Sow 75 to 90 pounds to the acre

DEFIANCE. A rust-proof variety that stands up well; produces a large crop; large heads and plump kernels. True pedigree stock.

FORTY FOLD. One of the best milling wheats.

RED RUSSIAN. Yields a heavy crop, kernels large and uniform.

SMALL CLUB. A northern variety that is being grown by a great many in California; grows free from smut.

SONORA. An early maturing variety and a sure cropper.

TURKEY RED. A hard red wheat, runs high in gluten and most desirable for poultry feeding.

SORGHUMS AND NON-SACCHARINES

Owing to frequent fluctuations we request that you write for quantity prices.

SORGHUM

EARLY AMBER. Furnishes a large yield of most nutritive forage, which can be fed either green or cured, and will yield two or three cuttings a year, stooling out thicker each time it is cut. It grows ten to twelve feet high. Sow broadcast for forage at the rate of 60 pounds per acre. When sown in drills, sow at the rate of 10 pounds per acre in drills three and a half to four feet apart. Per pound 20 cents.

BROOM CORN

IMPROVED EVERGREEN. This is one of the favorite varieties for growing in California. It grows from eight to ten feet high. The absence of crooked brush makes it most desirable. Broom corn is a profitable crop to grow, as a market can be found at any broom works. Pound 20 cents, 10 pounds 75 cents.

STANDARD DWARF EVERGREEN. Most desired variety by broom factories on account of its green color, and fine long straight brush. Sow 10 pounds per acre. Pound 20 cents.

CALIFORNIA GOLDEN. Grown principally in this country for fodder seed; when ripe is used as feed for fowls where a variety is desired. Pound 20 cents.

CORN

FIELD CORN. See page 34.

EGYPTIAN WHITE. Similar to above. Per pound 20 cents.

MILLET

Owing to frequent fluctuations we request that you write for quantity prices.

COMMON. Very early; abundant foliage. Pound 20 cents.

EGYPTIAN PEARL (Penicillaria spicata). Is an excellent fodder plant, attaining a height of five feet and over. Highly relished by cattle. Pound 30 cents.

GERMAN. Few other grasses or forage plants have been able to produce the enormous yield of this plant; it has produced 4 to 5 tons of hay to the acre, and from 70 to 80 bushels of seed. It can be sown on newly broken ground in the spring, and as late as July leaves the ground in excellent condition for following crops. Pound 20 cents.

HUNGARIAN. Will stand drought and grow on ordinary soil. Pound 20 cents.

JAPANESE. Great claims are made for it as to productiveness and value as a forage plant. Superior to corn fodder in feeding for milk. Grows six to eight feet high. Sow forty pounds per acre. Pound 20 cents.

SIBERIAN OR RUSSIAN. Claimed to be the most wonderfully productive and satisfactory forage plant, possessing in a superior degree all of the essential merits of the older sorts. Pound 20 cents.

COVER CROP SEEDS

When in the market for cover crops or green fertilizers such as Burr Clover, Melilotus Clover, Cow Peas, Field Peas, Fenugreek, Vetches, etc., write for our special literature and bulletins as well as prices on your requirements.

WE ARE HEADQUARTERS

Germain

This Signature

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Denotes Our Recommendation

MISCELLANEOUS FARM SEEDS

Consistent with the Germain policy, we are giving great attention to the items listed under this head. In selection we give the same care as in all other seeds, recleaning by our improved machinery whenever the slightest necessity exists. We can give quick service in securing varieties not listed and free expert advice when asked for. We purpose carrying stocks of seeds ahead of the demand, but suggest as early inquiries as possible for unusual quantities.

IMPORTANT. Field seeds are subject to frequent market fluctuations; we, therefore, request you to write for prices when quantities are wanted. Will gladly quote prices and send samples on any article wanted.



N. B. Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise deduct ten cents per pound or fraction thereof.

ALFILARIA

ALFILARIA (*Erodium cicutarium*). One of the most nutritious of plants; cattle, sheep, horses and hogs alike prefer it to any other natural product of the plains. Pound \$1.00. Sow twenty pounds to the acre.

ARTICHOKE

ARTICHOKE, JERUSALEM (roots). The greatest hog food known, yielding over one thousand bushels to the acre. It can be grown without a great deal of cultivation and no harvesting is necessary. When the roots are full-grown, turn the hogs into the field and they will help themselves by rooting. We can supply the tubers from February until May. Price, 20 cents per pound.

CANARY SEED

CANARY. Used for bird food. It is also used as an ornamental grass and for hay purposes. Price, 20 cents per pound.

COTTON

Cotton is extensively cultivated in various parts of the globe within the thirty-fifth parallel of latitude. The plant is rather delicate and requires a moderately rich and sandy loam soil, such as river bottoms, for its proper development.

CULTIVATION. Prepare the land by having it thoroughly ploughed. Lay off into rows about four feet apart; sow the seed along the center in a straight furrow made with a small plough or opener. It can also be sown in holes twelve to eighteen inches apart. Sow in March. The young shoot appears above ground in about ten days, and is subsequently weeded and thinned. Blooming takes place about the beginning of June. As a general rule cotton is a dry weather plant. For ploughing, the planter requires just sufficient moisture to give the soil a spongy texture. Give plenty of water in the early stages—but too much is productive of wood, at the expense of wool, and a severe drought will produce a stunted plant. From the blooming to the picking season, warm dry weather is essential.

SEA ISLAND (*Gossypium Barbadense*). This has a beautiful long-stapled silky wool and bears a yellow flower; 10 cents per ounce, 50 cents per pound.

TENN. UPLAND; 10 cents per ounce 50 cents per pound.

EGYPTIAN. Originated in Egypt; erect and larger size than other cottons, producing an abundance of cotton; 10 cents per ounce, 50 cents per pound.

FENUGREEK

FENUGREEK. Admirably adapted for sowing in orchards for cover crop; stands erect and makes a stronger growth than peas. Sow at the rate of twenty pounds to the acre; 25 cents per pound.

FLAX

FLAX. When grown for seed, plant forty pounds to the acre. One of the principal things to attend to when growing flax is to see that the ground is well cultivated. Price per pound 25 cents.

HEMP

HEMP is sparingly grown in Southern California. The seed is used for birds. Its fibre is in big demand. Per pound 20 cents.

LENTILS

LENTILS. Used for the table; growth and habits similar to the pea. Quite a favorite in California. Per pound 25 cents.

PEANUTS

VIRGINIA PEANUTS. Plant when weather is warm. A warm, porous, sandy soil, put into a good friable condition and freed from weeds, is most suitable. Remove the pods without injuring the kernel, and place contents in bags or baskets, a small quantity in each, where there is a free circulation of air, until needed for planting. Reject all shriveled kernels. It requires thirty-five pounds of peanuts in the hill to an acre. Plant in rows three feet apart and one foot apart in the row. Cultivate often and keep the ground loose, as after the blossoms drop the peduncles enter the soil at the base and form the peanut. First quality, pound 30 cents.

RICE

WILD (*Zizania Aquatica*). Grows in shallow water with mud bottom. The plant makes an excellent shelter for wild fowl. Pound 35 cents.

RAPE

DWARF ESSEX. This crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six to eight weeks from the time of sowing. The fattening properties of Rape are said to be very much better than those of clover. It also makes splendid green feed for poultry. Rape is best sown in drills, at the rate of three to five pounds per acre, or it can be sown broadcast, when from six to eight pounds per acre should be used. Per pound 20 cents, 100 pounds \$10.00.

SALT BUSH

AUSTRALIAN (*Atriplex semi-baccatum*). Will grow on alkaline soils. Much relished by stock, supplying the necessary salt. One pound of seed to the acre if sown broadcast; four ounces if transplanted. In cutting fodder be careful not to injure the crown of the plants. Ounce 15 cents; pound \$1.00.

AUSTRALIAN "OLD MAN." A distinct species different from the *Atriplex semi-baccatum*. It succeeds on alkali land as well, and withstands drought. Plant in hills six feet apart each way, several seeds to a hill, thinning out the two strongest plants. Packet, 10 cents, ounce 30 cents, pound \$3.00.

SUNFLOWER

MAMMOTH RUSSIAN. Makes heads double the size of the common kind. The yield is enormous from this variety. It has produced as high as 125 bushels to the acre. Per pound 20 cents.

TAGASASTE

TAGASASTE OR TREE ALFALFA. Grows in shrub form; foliage resembles alfalfa. Excellent for hill pasture on account of its habit of growth and great drought-resisting qualities. Packet 10 cents, ounce 25 cents, pound \$2.50.

TEOSINTE

TEOSINTE. Resembles corn, but leaves are much larger; very nutritious. Ounce 15 cents, pound \$1.35.

TOBACCO

Tabaco Tabak Tabak

Cultivation of Tobacco is comparatively easy and a warm climate suits it best. The best time for starting the seed is January. Sow in seed beds of rich soil, and as the seed is extremely minute, it is first largely mixed with sand and wood ashes to assist in spreading it thinly. One ounce of seed will sow twenty-five feet square and produce plants for one acre. After the beds have been sown, cover the seed slightly and protect from light frosts. Remove covering as soon as can be done with safety, and the plants will then grow rapidly and are ready for transplanting about the first of June. Wet or foggy weather is the best for transplanting. The plants must be carefully raised from the seed bed and planted in the fields in rows three feet apart and leaving five feet between the rows. The crop needs much careful attention in weeding, and a watchful eye to prevent the ravages of various insect enemies. As soon as the plants begin to throw up the flower-shoot, it is clipped off; otherwise it would weaken the plant.

CONNECTICUT SEED LEAF. Grows to a height of about five feet, with leaves two and a half to three feet in length and from fifteen to twenty inches broad, one of the best varieties for cigar wrappers. Per packet 10 cents, 60 cents per ounce.

HAVANA. Bearing a fine colored leaf, varying from straw color to dark brown or black; it surpasses all other varieties in flavor for cigars; heavy cropper, fine texture, and the earliest variety to mature and ripen.

American Grown Per packet 10 cents, ounce 30 cents, pound \$3.00.

Cuban Grown (*Vuelta de Abajo*). Per packet 10 cents, ounce 60 cents, pound \$6.00.

SUMATRA. Per packet 10 cents, \$1.00 per ounce.

TURKISH CIGARETTE (*Sam Sue*). Per packet 10 cents, 60 cents per ounce.

VETCHES

SPRING VETCHES, OR TARES. Growing into favor more and more each year for plowing under. They have the advantage over peas in that they make a greater growth of vine, while a smaller quantity is required per acre. Also valuable as a green food for milch cows. 50 pounds to the acre; 20 cents per pound.

SAND OR WINTER VETCH. Used extensively in the south for cover crop and for its forage value. Sow thirty pounds to the acre; 25 cents per pound.





FLOWER SEED DEPARTMENT

A FEW CULTURAL SUGGESTIONS

Few people are aware of the great number and variety of flowers that can be raised from seed. In this glorious Southland, the time taken to obtain fine flowering specimens is not nearly so long as in colder climates, while varieties grow to splendid perfection, if given a reasonable amount of care. There may be a few of the very hardiest species that need a longer winter's rest than is here afforded, but it has been the experience of growers that these soon become acclimated and flower over a larger season than when the summer is short and hot—the winter long and cold. A little experience has to be obtained as to the suitability or otherwise, of certain kinds for special locations but once a general idea of the likes and dislikes of the plants is obtained, it is plain sailing.

One great advantage in raising a flower garden this way is the saving of money. The price of plants at certain seasons of the year and in times of scarcity, is high. This is unavoidable, but seeds can always be purchased for a few cents. Then the interest of watching—first, the tiny germ or seed leaves and eventually the stems and flowers—is great. It has a charm that is always fresh, always new, and the grower has a feeling that he or she is indeed the real owner of the plant. It has never belonged to anyone else. "I raised that from seed," the owner will say of perhaps a stately Delphinium or other fine herbaceous plant and the pride exhibited in that sentence is surely pardonable and proper. Then the pleasure of giving or exchanging plants with a neighbor is facilitated by seedling raising, because there is always plenty for everybody, so different to having to buy them by the dozen, or hundred. A packet of seed usually means thousands. We have followed the usual course of catalog makers in classifying into hardy, half-hardy and tender annuals, biennials and perennials, but this need not be taken too literally in California, for many things tender in the east, middle west and north, are perfectly hardy here and will grow outdoors the year around without protection of any kind.

HARDY ANNUALS may be sown in the open air at any time. The name "Annual" indicates that they live only one season.

HALF-HARDY ANNUALS should be sown in a frame or given some protection until the seed germinates if needed early. By the middle of April, it is quite safe to sow in the open.

TENDER ANNUALS is a term used to distinguish those plants usually grown in greenhouses or frames. Speaking generally, they need more skilful treatment than the hardier kinds, though it is getting quite common now to see such plants as Cyclamens, Cinerarias and others that were formerly grown entirely in greenhouses, flourishing outside on rockeries or beneath trees that throw sufficient shade to protect them from the hottest rays of the sun. This is a type of gardening peculiarly suitable for California, and especially Southern California. Ask us about it if you are interested.

HARDY BIENNIALS are those that flower in the second year from sowing the seed.

HARDY PERENNIALS are among the finest of our border plants. They do not usually flower till the second year after sowing, but may be relied upon to produce larger clumps of flowers year by year for many years.

HALF-HARDY PERENNIALS are those which require some protection during the coldest weather, as they will not stand frost.

TENDER PERENNIALS are those species that require greenhouse or other protection during the greater part of the year. See also tender annuals.

HARDY ANNUALS. The best time to sow is in the fall months, as they will make much stronger plants and flower much more abundantly when wintered over. They may be sown in any finely-prepared shady border, and transplanted when large enough, to where they are to flower. Do not cover the seeds too deeply. A good rule is to cover each seed its own depth with soil, at the same time taking care to water carefully. Never water so much that the soil gets "soggy," i. e., saturated; nor ever let the top get dry. Most varieties will germinate within ten days.

They may also be sown at any time during the spring months for summer blooming, care being taken to shade the young plants after transplanting, in hot weather.

HALF-HARDY ANNUALS may be sown in April out-of-doors, or in boxes, in March or earlier. If in boxes they should be covered, or removed under cover during the night-time and during heavy rains. Those who have hotbeds may sow the seed in February and grow the plants in three inch pots for planting outdoors in April, thus gaining two months on those who have not this advantage. If sown in boxes, the boxes should have an inch of rough soil or gravel at the bottom for drainage; the remainder of the box should be filled within an inch of the top with sifted, light, rich soil, firmly pressed, and watered. The seed should be sown, and covered its own depth with soil then covered with a sack or burlap until germinated, when the covering must be removed. When the young plants are large enough to be handled, transplant to other boxes, planting them about one inch apart, and, when weather permits, they should afterwards be planted in the open ground in the place where they are to flower.

TENDER ANNUALS should be sown in pots as follows: Take a five or six-inch flower pot, put an inch of drainage in the bottom, then two inches of finely-sifted soil, firmly pressed, with a sprinkling of sand on top. Then sow the seed, and do not cover, but press into the soil. Water with a very fine sprinkler, and cover the top of the pot with a sheet of glass. Remove the glass for an hour daily to dry up the damp. When seedlings appear, gradually harden them off to the air. As soon as they can be handled, transplant to two-inch pots, and shift again when necessary.

HARDY BIENNIALS and PERENNIALS should be sown in September. Many varieties, if sown then, will flower the next year. If sown in spring they will not flower till a year later. They may be sown in a shady border, and, when large enough, transplanted to where they are to remain.

HALF-HARDY and TENDER PERENNIALS should be sown in boxes, and treated as recommended for Half-hardy Annuals till plants appear, when they should be transplanted to two inch pots, and shifted afterwards when necessary.

We have arranged our list of flower seeds according to the various classes: Annuals, including separate lists of Everlasting Flowers and Ornamental Gourds; Climbers, Annual and Perennial; Biennials and Perennials; Ornamental Grasses, Annual and Perennial.

ABBREVIATIONS. Hh means Half-hardy, Annual or Perennial; T means Tender, Annual or Perennial. When no abbreviation is used, the variety will prove hardy in this climate. The letter B affixed to a variety means that it is useful for bouquets and cut flowers.

PLANTING TABLES FOR FLOWER SEEDS—BY MONTH

JANUARY

German The work for this month largely depends upon the weather. If the soil is wet and sticks to the shoes, keep off it. But when the weather permits, all classes of shrubs and trees can be planted, and the hardest of the annuals, such as Sweet Peas, Godetia, Larkspur and Poppies sown. When the garden soil is wet, spend a little time in repairing walks and drives, rounding them up and killing the weeds. Remove sand or rubbish deposited by storm water. Plant Japanese and other Irises, late Lilies, early Gladioli, Spireas, Lily of the Valley, Doronicums and Deliytra, also any leftover hardy bulbs for succession. Stir the soil around Pansies and sow seed for later flowering. All classes of trees and shrubs may be planted during this and the two following months.

FEBRUARY

German Plant out herbaceous seedlings raised in August and September, also biennials, such as Coreopsis, Campanula, Wallflower, Sweet William and similar kinds. Sow Hollyhocks in a frame or in a warm border for fall flowering. Early Asters and Stocks may also be sown and Dahlia tubers started for propagation. It is not wise to rush the sowing or planting of tender varieties, but such as Centaurea Cyanus, Annual Chrysanthemums, Calendulas, Shirley, Iceland and Oriental Poppies, and many other hardy kinds, can go in. Gladioli and Tuberose should be planted and the soil stirred between advancing crops. Any conifer or other tree seeds that can be obtained, can safely be sown outside now.

MARCH

German Stake or otherwise support the growth of any plants needing this attention. Plant out Dahlias and transplant the early sown Asters and Stocks, making other sowings for succession. Practically all the more tender annuals may now be sown, especially French and African Marigolds, Salpiglossis, Zinnias and Portulaca, all of which are best sown where they are to flower. Make the main sowing of Sweet Peas now for summer flowering, as they will not do well or continue to flower, unless well established before hot weather sets in. Thin out the early sown annuals before they become crowded, first to an inch apart and later to 6 to 12 inches, according to the habit and height of the plants. A mulch of light manure, decayed leaves, or any similar material is fine for spreading on newly planted Roses and other shrubs. Healthy plants are little troubled with blights or insects, but keep a watchful eye on all and use soap or tobacco preparations as advised by the makers of these articles.

APRIL

German This is the great month for bedding out such plants as Alternanthera, Iresine, Tuberous Begonias, Cannas and others. Wherever there are bare places in the herbaceous borders, sow seeds of annuals to prevent blanks, carefully considering the colors used. Place a little lime around the stems of Dahlias to keep away slugs and snails. Spray freely roses and other plants subject to aphids. As the weather gets warmer, see that plenty of water is applied to both the plants and in the form of a spray. Sow Klondike, Lady Lennox and other varieties of Cosmos, and make further sowings of Asters, Stocks, Zinnias, Centaureas, Scabiosa and Salpiglossis to fill blanks and for use in beds devoted to bulbous flowers after the latter are lifted. By always having plenty of young plants in reserve, there will be no scarcity of flowers in the borders at any time. If necessary, tie up the leaves of bulb stock a little when it begins to get unsightly but don't cut it off. Leave it to dry off and fall naturally before the bulbs are lifted.

MAY

German There is an advantage in cutting the flowers of Sweet Peas regularly whether needed for decoration or not, as if allowed to go to seed on the plants, they distress the plants and shorten the flowering season. Liquid manure or chemical manure used at the time of irrigating is a great support to flowering plants now. Their application keeps the vines and stems healthy and growing during hot weather without which there will be a shortage of bloom. Vines will be growing rapidly on porches and arbors, and those that need it, must be kept tied or trimmed. Never produce a stiff, unnatural effect; let them have all the freedom possible without over-reaching on their neighbors. Prune back rambler roses that have flowered and encourage them to make strong vigorous bottom shoots. Never let any weeds go to seed, either in or around the garden, keeping in mind the old adage, "One year's seeding means ten years' weeding". Trim hedges and clean up the walks regularly. Never allow any rubbish to lay around, but bury it or burn it, so that it will benefit the garden instead of being a nuisance.

JUNE

German By midsummer, most of the spring flowering bulbs will have finished their growth and be ready for lifting. After digging them, lay them thinly under a tree, shed or other shaded position, to ripen and dry off. Never under any consideration leave them in the full sun or they will be ruined. Cannas will soon be at their best and must not be allowed to suffer for want of water. A sowing of Pansies for early autumn flowering is now in order. Chrysanthemums

may be planted in places where annuals are past and also in special beds for cutting. Transplant young seedling trees and sow any tree or shrub seeds that are obtainable. Sow Zinnias again, also late Cosmos and Candytuft, Arabis, Wallflowers and Canterbury Bells. Sow Ten Weeks' Stocks for early winter blooming and again at intervals of a month until September. Support the Dahlias as they grow, also Gladioli and other tall plants liable to injury from wind.

JULY

German In a shady border, make frequent sowings of such things as Delphiniums, Coreopsis, Campanulas, Antirrhinums, Foxgloves, Gaillardias, Pyrethrums and any other biennials for flowering during late winter and spring. Sowings can be continued right on until October in large gardens where there is a big demand, but for smaller gardens, August sowings are usually sufficient. The Asters will be growing freely now and need plenty of water and feeding. For large flowers, thin out the shoots of Chrysanthemums to one or two, but for bush plants and pompons, allow more freedom. Dry off a portion of the roses for early winter flowering, giving no water at all, but not pruning them until about two months before they are needed in flower. This is a good time to make over borders of Carnations.

AUGUST

German Prick off young plants of perennials as they are ready and make further sowings. Plenty of Pansy seed should be sown this month for winter and early spring flowering. Sow also annuals for filling in bare places and a few patches of Iceland Poppy. Sweet Alyssum, Gypsophila and Stocks can also be sown. This is the best month in the year for sowing Cyclamens, either for outdoor planting or for pots in the greenhouse. Cinerarias, Primulas and Calceolarias may also go in now, sowing the seed with great care. Sweet Peas for winter should be in the ground this month, the newer Christmas varieties especially. Plant German Irises on good, well prepared ground, breaking up the old clumps with care and planting the younger portions.

SEPTEMBER

German Plant Peonies on good, well prepared soil and give them the best attention. Prepare the beds and borders for planting the Dutch bulbs as soon as they arrive. Thorough stirring and the application of well-decayed cow manure, leaf mold and sand is a good preparation. The earliest Paper White Narcissus and the Roman Hyacinths are usually to be had by September and should be planted at once for early flowering. Feed and mulch Dahlias and Chrysanthemums. Plant Wallflowers where they are to flower. While they like good soil, they will also grow on dry banks and thrive where most other flowering plants would die. Trim the edges of the lawn and flower borders to make everything neat for the winter. Prepare soil for and sow new lawns this month and next.

OCTOBER

German By the middle of the month, the Dutch bulbs such as Hyacinths, Tulips, Narcissi, and Crocuses, will be ready for planting. It is a mistake to plant too shallow. All of these are well able to push their shoots through a depth of 6 inches at least; the flowers will be better and the growth stronger at this depth than at a lesser one, while the largest of the bulbs can be planted much deeper. Select varieties for beds that flower simultaneously or a patchy effect will be produced. When the soil is at all dry, run plenty of water into the drills or lines in which they are planted, allowing the surplus to drain away first. A beautiful effect may be created in bulb beds or borders by planting such subjects as Pansies, Forget-me-nots, Silene and Arabis on the surface after the bulbs are in. These make a live carpet under the taller plants and we have yet to see a more entrancing sight than a carpet of blue Myosotis with the nodding flowers of the yellow Jonquils and Daffodils above it. Don't forget a copy of our bulb catalogue now. It is free by mail or for the asking.

NOVEMBER

German The earliest lilies such as L. candidum and the native kinds, also the Mariposas or Calochortus may be planted now. All true Lilies like fairly rich soil and a semi-shaded position. The Calochorti do well in sunshine. Pansies should be sown again and the earlier ones transplanted. Sow annuals for early spring flowering and cultivate as often as possible between rains to prevent the surface baking up from sun and wind. Clean up all rubbish regularly and make the garden look as bright and tidy as possible.

DECEMBER

German As long as the weather is good, planting of all kinds of roses, shrubs and trees can be pushed, but never try to do work of this kind in wet weather or when the soil is overmoist. The trees do not thrive so well and treading in the soil puts it in bad shape for next season. The lawn must be frequently rolled when in a nice, medium condition, not too dry or too wet. Old lawns need more rolling than new ones but these must also be kept firm. Try and finish up all bulb planting by the end of the year. Dig Cannas that have to be moved and replant them. There is no need of moving them annually unless they are too thick.



CENTRAL PARK, LOS ANGELES

This lawn planted with Germain's Extra Re-cleaned Grass Seed

HINTS ON THE FORMATION OF LAWNS

Ask for Germain's free booklet "Lawns—Making and Proper Care."

See that the ground is well prepared. Dig or plow ground to the depth of 8 inches. Afterwards harrow or rake carefully, pulverize all lumps, and remove all large stones. If the soil is shallow, procure a supply of fine mold and spread over the surface to a depth of five inches. Soil may be enriched by bone meal or well-rotted manure wherever necessary; then rake level and roll the soil well to make a solid bottom. Scatter the seed evenly over the surface at the rate of 150 pounds to the acre (for Blue Grass), one pound to sixteen feet square. Rake seed in and roll, water regularly and carefully, as the soil is liable to dry out in the heat of the day, and if it does while the seed is germinating it will invariably perish. When the grass is three inches high it should be cut and rolled, and every week or so thereafter until the grass has become firm. Eradicate weeds whenever they appear, without disturbing the grass. Should bare spots appear, rake the surface and sow more seed. The roller should be used frequently during the season, and a dressing of lawn fertilizer once a year is necessary to the maintenance of a good lawn.

FERTILIZING—Nothing will give a lawn the rich, deep green velvety appearance so much admired like a liberal dressing of a good fertilizer. Our fertilizers are specially prepared with that end in view and we can strongly recommend them. They should be used at the rate of one and one-half or two pounds to 100 square feet.

WEEDS—In the Southwest weeds in a lawn are the bane of every one's existence. Do not take the line of least resistance and immediately blame the seed or the seedsman. Grass seeds are invariably given a great deal of care and attention in order to eliminate weeds, and the seed we sell is absolutely free from all weed seed. Weed seed is in the ground, and in this country where the grass is dry so great a part of the year the winds will blow them on to the lawn, into the water that you use, and even the birds will carry them, for which there is absolutely no remedy; and if you want a lawn, you must not only expect weeds, but you must also pull them as soon as they appear.

LAWN GRASS SEED

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

KENTUCKY BLUE GRASS. The seed we offer is extra fancy re-cleaned seed, the finest and purest grade obtainable anywhere. Per pound 40 cents.

WHITE CLOVER. Our seed is strictly first-class, absolutely clean and pure and of the highest quality. Per pound 70 cents.

AUSTRALIAN, OR PERENNIAL RYE GRASS. An extremely hardy sort, requiring less fertile soil and withstanding more hardships. Used extensively in Arizona and becoming very popular in Southern California. Per pound 25 cents, 10 pounds \$1.25.

LIPPIA REPENS. See page 90.

NOTE—We strongly recommend, in order to obtain a hardy and healthy lawn, that you use a mixture of Blue Grass and White Clover. Where there is no preference in the matter, we advise a mixture of two-thirds Blue Grass and one-third White Clover.

LAWN FERTILIZERS

NUVIDA LAWN AND GARDEN FERTILIZER is undoubtedly the best and most efficient fertilizer on the market at the present time for lawn and garden purposes. It has been compounded under our own direction by expert chemists and the proportions are such that the very best and quickest possible growth is the result. The materials used are of the highest quality and will tend to sweeten the soil, not to sour it, as is usually the case. The price is so small comparatively and the purity of the fertilizer is so perfect that it leaves no objections, in preference to horse manure and kindred materials. It leaves no odor and cannot possibly introduce weeds into the lawn. Ten pounds will cover 250 square feet.

Price 10 pounds 45 cents, 25 pounds 95 cents, 50 pounds \$1.60, 100 pounds \$3.00.

PULVERIZED SHEEP MANURE. This is not the weather bleached or adulterated kind that is often found, but is specially prepared and carefully handled so that it possesses all of the elements of a high class fertilizer, free from weed seeds, and strong in plant food. Per pound 5 cents, 30 pounds \$1.00, 50 pounds \$1.30, 100 pounds \$2.25.

FINE GROUND BONE MEAL. Good for top dressing and general fertilizing purposes. Per pound 5 cents, 25 pounds \$1.00, 50 pounds \$1.50, 100 pounds \$2.50.

For other fertilizers, see page 96.

For Lawn Tools and Implements, see pages 100 to 103.

ANNUALS

The quickest and cheapest way of making a good display of color in the garden is by sowing annuals. But to sow them thickly as is frequently done and then leave the little plants alone to fight for a position—eventually running straight up, flowering once and then dying—is not the right way to treat them. Each plant must have room to develop its branches as they are produced, and in order to obtain this, they must be thinned severely and often, so that each stands at from 6 inches to 1 foot apart, according to the kind sown. Some, as noted under the separate headings, are better sown in boxes or pots and transplanted. Others do well sown where they are to flower. But in all cases, prepare the ground well by deeply spading and incorporating, as the work proceeds, good, well prepared manure. If natural manures cannot be obtained, we have the best commercial fertilizers always in stock, and these are equally effective. But give the plants room to develop, allow plenty of moisture, and the display that these pretty plants make will delight and surprise the grower.

COLLECTIONS (Our Selection)

Twelve fine varieties of Annual Flower Seeds, 50 cents.

Price \$1.00

HARDY ANNUALS

Six Fine Varieties of Annual Flower Seeds, 25 cents

Regular Value \$1.40

ALYSSUM SWEET. White, height $\frac{3}{4}$ ft.
ARCTOTIS GRANDIS. White with blue disc, height 2 ft.
BALSAM (Lady's Slipper). Height 2 ft.
CALENDULA (Prince of Orange). Brilliant Orange, height $\frac{3}{4}$ ft.
CANDYTUFF. Pink, height 1 ft.
CANDYTUFF. Empress white, height 1 ft.
CENTAUREA IMPERIALIS. Finest mixed, height 2 ft.
CHRYSANthemum. Choice mixture, height 2 ft.
CALIFORNIA POPPY. Golden yellow, height 1 ft.
CORN FLOWER (Ragged Sailor). Blue, height 2 ft.
GOSETIA. Extra fine mixed, height $1\frac{1}{2}$ ft.

GYPHOPHILA ELEGANS. Very graceful for bouquets, height $1\frac{1}{2}$ ft.
LAVATERA TRIMESTRIS. Rose color, height $2\frac{1}{4}$ ft.
LINUM (Scarlet Flax). Beautiful Crimson Scarlet, height 1 ft.
MARIGOLD FRENCH. Mixed beautiful bronzed and yellow shades, height 1 ft.
MIGNONETTE. All sorts mixed, height 1 ft.
NASTURTIUM TOM THUMB. Finest mixed, height 1 ft.
PHLOX. Finest mixed, height 2 ft.
POPPY. Mixed all sorts, height 2 ft.
SCABIOSA (Morning Bride). Finest mixed, height 2 ft.
ZINNIA (Youth and Old Age). Mammoth mixed.

All 5 cent packets at 50 cents per dozen; 10 cent packets at \$1.00 dozen; 15 cent packets \$1.50 dozen; 25 cent packets \$2.50 dozen.

ABRONIA UMBELLATA (Sand Verbena). Delicate rose. Pkt.
 Beautiful native trailer. Height $\frac{1}{4}$ ft. \$0.05
ADONIS FLOS (Pheasant's Eye). Crimson, with black
 eye. A beautiful showy, free-flowering plant. Height
 1 ft. .05
AGERATUM MEXICANUM. Fine for bedding or mixed
 borders.
Imperial Dwarf Blue. Height $\frac{3}{4}$ ft. .05
Imperial Dwarf White. Height $\frac{3}{4}$ ft. .05

ALYSSUM



Fragrant and pretty. Nothing better for borders or parkways. Sow thinly at any time of the year and thin the plants to 3 inches apart.

ALYSSUM.
Germain Compact. Dwarf. White. Height $\frac{1}{4}$ ft. Pkt. \$0.05
 Sweet. White. Height $\frac{3}{4}$ ft. .05
AMARANTHUS. Hh. The Amaranthus are splendid
 plants to give a tropical effect in mixed borders and
 shrubbery. Plant in sunny places and poor soil. .05
Melancholicus (Ruber). Blood-red. Height 1 ft. .05
Salicifolius (Fountain Plant). Purple, crimson and
 gold. Height 3 ft. .05
Tricolor (Joseph's Coat). Red, green and yellow. Height
 1 ft. .05
ANAGALLIS (Pimpernel). Mixed various colors. Free-
 blooming, attractive plant for borders. Height $\frac{1}{2}$ ft. .05

ARCTOTIS GRANDIS



This plant is not sufficiently grown. The beautiful flowers have a steely blue sheen, reflected from the back of the petals that gives them a delightful and unique appearance which no other composite possesses. It is one of the finest annuals for cutting. Try it this season. Sow early in order to get large plants and sheaves of flowers.

ARCTOTIS GRANDIS. Plants are of easy culture, flower Pkt.
 abundantly from early summer till fall. Height \$0.10
 2 to $2\frac{1}{2}$ ft.
ARGEMONE (Mexican Poppy). Mixed, white and yellow.
 Very showy. Height 2 ft. .05
ARNEBIA CORNUTA (Arabian Primrose). B. Yellow,
 spotted with black or maroon. Height $1\frac{1}{4}$ ft. .15

ASTERS

GERMAIN'S GIANT COMET

BRANCHING ASTERS

Even with the most expensive reproduction process it is difficult to convey the real beauty of the splendid development of the good old Aster. The iridescent coloring of these great chrysanthemum-like flowers nearly as large as a saucer, with beautiful curved petals, makes a brilliant display in the garden, and the fact that they will keep well as cut flowers for a week or ten days is especially appealing to the busy housewife. The Giant Comet and American Branching varieties are the favorites among florists. The Lady Aster is a distinct class with very narrow leaves and remarkable free flowering qualities, and is one of the finest for cutting purposes. The plants grow to a height of about 2 feet, are of full foliage and droop just enough for a graceful appearance. Planted from February to May, the Aster will furnish a continuous reward of gorgeous bloom from July to October. It grows easily, likes sunshine and a moderate amount of water.

GIANT COMET BRANCHING

Crimson. Height 2 ft.	\$0.25	Rose. Height 2 ft.	.25
Flesh. Height 2 ft.	.25	Shrimp Pink.	.25
Lavender. Height 2 ft.	.25	White. Height 2 ft.	.25
Purple.	.25	Mixed. Height 2 ft.	.15

Your Selection of Six from this Collection, \$1.00
Full Collection, \$1.25

OTHER VARIETIES

AMERICAN BRANCHING.

Crimson. Height 1½ ft.	Pkt. \$0.10
Flesh-pink. Height 1½ ft.	.10
Lavender. Height 1½ ft.	.10
Purple. Height 1½ ft.	.10
Rose-pink. Height 1½ ft.	.10
White. Height 1½ ft.	.10
Mixed. Height 1½ ft.	.10
BETTERIDGE'S GUILLED. Mixed. Height 1½ ft.	.10
COCARDEAU, or CROWN. White centers, mixed, white. Height 1½ ft.	.10
CREGO. Flesh-pink.	.10
White.	.10
DWARF PYRAMIDAL BOUQUET. Mixed. Height ¾ ft.	.10
DWARF CHRYSANTHEMUM FLOWERED. Mixed. 1 ft.	.10
LADY MIXED. Height 1 ft.	.10
TRUFFAUT'S PEONY-FLOWERED PERFECTION. Mixed. Hat. 1½ ft.	.10
White. Height 1½ ft.	.10

For Aster Plants, see page 90.



GERMAIN'S GIANT COMET
BRANCHING ASTERS



An Amateur Gardener's Success—See Letter Adjoining

GRAEF & SCHMIDT,

TRADE MARK



THE TWINS

SOLE AGENTS FOR

J.A. HENCKELS TWIN WORKS.

PROPRIETORS OF THE



SPIDER BRAND

CUTLERY.

107 CHAMBERS ST

NEW YORK.

PACIFIC COAST OFFICE: ROOM 424, PHILAN BLDG., SAN FRANCISCO, CAL.

9/25th.-13.

My Dear Mr. Germain:

Under separate cover I am mailing some photos showing the display of Germain's Giant Asters in my garden. Do you think anybody can beat it? The size of the blossoms was immense and the shades wonderful. I had over TEN THOUSAND blossoms at one time. Several of my neighbors are sending now for your seeds. Hope to see you personally some time next month.

Sincerely yours,

Carl Berggren

Germain

This Signature [42] Denotes Our Recommendation

ANNUALS (Continued)

BALSAM



Good for flower beds, for mixed borders or for pots in the window garden or green-house. There is nothing that quite takes the place of the Balsam, as it is distinct from everything else in cultivation. Sow in February or March for use inside and in April in the open ground. Our strains are the finest selections from European and home grown varieties and cannot be excelled.

BALSAM , Double Rose-Flowered. Mixed. Height 2 ft....	Pkt. \$0.10
Camella-flowered . Mixed. Height 2 ft.....	.10
Dwarf . Mixed. Height 1 ft.....	.05
Carnation-striped . Mixed. Height 2 ft.....	.10
Solferino . White, lilac and scarlet. Height 2 ft.....	.10
BARTONIA AUREA . Yellow. Height 1 ft.....	.05

BRACHYCOME (The Swan River Daisy)

This is a dwarf and profuse flowering annual, fine for cutting. Sow it in a sunny position and cut flowers every day for three months.

BRACHYCOME IBERIDIFOLIA . Cineraria-like flowers. Native of Western Australia. Mixed. Height 1 ft....	.05
BROWALLIA ELATA . Hh. Mixed. Height 1½ ft.....	.10
CACALIA COCCINEA (Flora's Paint Brush). B. Scarlet. Height ½ ft.....	.05
CALANDRINIA UMBELLATA . Portulaca-like plants. fond of sunshine, well-suited for rock-work. Vivid crimson. Height ¼ ft.....	.05

CACEOLARIA HYBRIDA SUPERBA

The splendid hybrids of Calceolaria that have been raised by European specialists, are among the finest pot plants in existence. These most not be confounded with the old yellow and brown varieties used for bedding. Our strain is absolutely the finest obtainable. Sow at intervals from June to August and treat as advised for Cinerarias.

CALCEOLARIA HYBRIDA SUPERBA . T. Beautifully blotched, mottled and striped. Height 1½ ft....	Pkt. \$0.50
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CALENDULA OFFICINALIS (Pot Marigold). Easy culture. Meteor. Yellow striped and bordered orange. height 1½ ft	.05
Prince of Orange. Height ¾ ft.....	.05

CALLIOPSIS

If the varieties of Calliopsis were rare and high priced, people would rave about their beauty, but as they are so cheap and easily grown, they are often passed by unnoticed. The lovely combinations of yellow and brown are not excelled in any other plant and they have an elegance and grace all their own. Sow at any time of the year and in any position or soil.

CALLIOPSIS .	Pkt.
Bicolor . Yellow and brown. Height 2 ft.....	\$0.05
Coronata . Yellow, large-flowered. Height 2 ft.....	.05
Fine Mixed . All colors. Height 2 ft.....	.05

CENTAUREA

Everyone knows and likes the old fashioned "Sweet Sultans". In a variety of colors, they are great favorites of the florists, and they are also fine for the home garden, treated like any hardy annual. While they do fairly well in poor soil, no plant responds better to liberal treatment. The common Cornflower, Centaurea Cyanus, is decidedly the finest of all blue flowered annuals and a favorite wherever grown. Too good to miss and of the easiest possible culture. Sow anywhere at any time.

CENTAUREA .	Pkt.
Chameleon . Flowers similar in shape to C. Marguerite, but varying in color from light yellow or straw-color to pink and yellow, or light rose. Height 1½ ft.....	\$0.10
Cyanus, Emperor William . Sky-blue. Height 2 ft.....	.05
Dark blue. Height 2 ft.....	.05
Pink. Height 2 ft.....	.05
White. Height 2 ft.....	.05
Mixed. Height 2 ft.....	.05
<i>Germain</i> Imperialis . Brilliant rose, lavender, purple, white and mixed. Height 2 ft.....	.10
Marguerite . Large, pure white flowers, about 2½ inches in diameter, with edge and petals beautifully tubed and twisted. Height 1½ ft.....	.10
Moschata . White. Height 3 ft.....	.05
Suaveolens . Yellow. Height 1½ ft.....	.05
Mixed . Height 1½ to 3 ft.....	.05



CENTAUREA IMPERIALIS

ANNUALS (Continued)

CANDYTUFT

* Fine plant for cutting. Good for massing or bedding and an easily grown, free flowering subject. The newer varieties are not to be compared with the older small flowering kinds, beautiful as these undoubtedly are, and no garden is complete without some at least.

CANDYTUFT.	Pkt.
Carter's Carmine. Height 1 ft.....	\$0.10
Empress. White. Height 1 ft.....	.10
Little Prince. White. Height ½ ft.....	.10
Purple. Height 1 ft.....	.05
White. Height ¾ ft.....	.05
White, Fragrant. Height 1 ft.....	.05
Fine Mixed. All colors. Height 1 ft.....	.05

CATCHFLY. Fine mixed. Height 1 ft.....	.05
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CELOSIA

This is the botanical name of the well-known cox-comb or Prince's Feather. The former, *C. cristata*, is a stiff, formal plant, bearing immense "combs" of brilliant colors. The latter, *C. pyramidalis*, is more graceful and equally bright. Raise the seeds in a gentle heat if possible in early spring and extra large plants will result. Any kind of soil suits them and plenty of sun.

CELOSIA.	Pkt.
Cristata Empress. Dwarf, crimson, splendid. Height ¾ ft.....	\$0.15
Glasgow Prize. Crimson. Height 1 ft.....	.15
Finest Mixed. Height ¾ to 1 ft.....	.05
Pyramidalis. Mixed. Height 2 ft.....	.10

CENTRANTHUS. B. Mixed, various colors. Showy annuals, with valerian-like flowers. Height 1 ft.....	.05
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CHRYSANTHEMUM

The annual Chrysanthemums must not be confounded with the autumn flowering Chrysanthemum or Pyrethrum Sinense of botanists. They are showy, effective plants of the easiest possible culture, requiring only to be sown in the position where they are to flower and thinned to 9 inches apart. They make a fine display all the summer. Morning Star is a particularly attractive pale yellow.

CHRYSANTHEMUM.	Pkt.
Tricolor album. White. Height 2 ft.....	\$0.05
Burridgeanum. White, with crimson ring. Height 2 ft.....	.05
W. E. Gladstone. Rich crimson. Height 2 ft.....	.05
Coronarium. Double White. Height 2 ft.....	.05
Double yellow. Height 2 ft.....	.05
Morning Star. New beautiful pale yellow flowers, fine for cutting.....	.10
Double Mixed. Various colors. Height 2 ft.....	.05

CINERARIA

Although in this favored southland, the Cineraria thrives outdoors in semi-shaded positions, it is as a greenhouse or window plant it is best known. Continental hybridists have been for years working on this flower and we annually add the best from these raisers to our own well known strain. Our seed plants are raised under the strictest surveillance of experts who are quick to note anything not up to the high standard set. The Cineraria dislikes heat at any time and must be always in a cool, moist atmosphere with plenty of air. Green fly or aphids is its worst insect enemy and must be destroyed on sight by light fumigation or dipping in one of the nicotine preparations sold by us. Sow at various times from May to August for winter and spring flowering.

CINERARIA HYBRID. T. (See also Perennials.) Valuable winter and spring flowering pot plants for window or greenhouse culture. Choice mixed. Height 1 ft.....	\$0.50
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CLARKIA ELEGANS. Double rose. Height 1½ ft.....	.05
Fine Mixed. All kinds. Height 1½ ft.....	.05
CLINTONIA PULCHELLA. Pretty for rock work. Blue, white and yellow. Height ½ ft.....	.10
COLLINSIA BICOLOR. Purple and white. Height 1 ft.....	.05
CONVOLVULUS MINOR (Dwarf Morning-glory). Mixed colors. Height 1 ft.....	.05
CORN FLOWER. (See Centaurea.)	
COSMIDIUM BURRIDGEANUM. B. Resembles Calliopsis. Maroon and yellow. Height 2 ft.....	.05

COSMOS



For late summer and autumn flowering, the Cosmos is unsurpassed. The colors are rich and varied and the foliage is finely cut and fernlike, forming a delightful foil to the blossoms. Our Mammoth varieties are not only larger and better than those usually offered, but they also flower earlier in the season, thus keeping up a succession of flowers over a long period. Sow in flats and transplant or sow where they are to remain and thin out to 2 feet each way. Fine for cutting.

COSMOS.	Pkt.
White. Height 4 ft.....	\$0.05
Pink. Height 4 ft.....	.05
Fine Mixed. Height 4 ft.....	.05
Lady Lennox. A delightful shell-pink, 4 to 5 inches in diameter.....	.10
Mammoth Perfection. White. Height 4 ft.....	.10
Crimson. Height 4 ft.....	.10
Pink. Height 4 ft.....	.10
Yellow. Height 4 ft.....	.10
Mixed. Height 4 ft.....	.10
DATURA HUBERIANA. Hh. Double Mixed. Height 3 ft.....	.10

DIMORPHOTHECA

Exactly suited to the climate of Southern California, the yellow African Daisy is a showy, beautiful dwarf annual, with orange yellow flowers, much more easily and quickly grown than the Gazania, so much used for parkings and narrow borders. A gem that should be in all gardens.

DIMORPHOTHECA AURANTIACA.....	\$0.10
ESCHSCHOLTZIA (California Poppy). See page 63.	
EUTOCA. Mixed. B. Various colors. Height ½ ft.....	.05
FENZLIA DIANTHIFLORA. Pink and white. Height ¾ ft.....	.15
GAURA LINDHEIMERI. Rosy white. Fine for masses or mixed borders. Height 3 ft.....	.10
GILIA TRICOLOR. Violet, Yellow and White. Height 1 ft.....	.05
Dwarf Sorts. Mixed. Height ½ ft.....	.05

GODETIA

Native to the state of California, this annual has been improved out of all knowledge of the earlier botanists. The colors are exquisite and the texture of the flowers silky and attractive in the extreme. The varieties are not nearly as well known as they deserve. Sow where they are to flower.

GODETIA.	Pkt.
Amoena. Dark rose, native variety. Height 1½ ft.....	\$0.05
Duchess of Albany. Large white. Height 1½ ft.....	.05
Gloriosa. Dark blood-red with satin luster. Height ¾ ft.....	.05
Lady Albemarle. Dark crimson. Height 1½ ft.....	.05
Rubicunda Splendens. Red. Height 1½ ft.....	.05
The Bride. Crimson and white. Height 1½ ft.....	.05
Finest Mixed. Height 1½ ft.....	.05

ANNUALS (Continued)

GYPSOPHILA ELEGANS

We sell large quantities of this pretty annual to florists who grow it for mixing with Sweet Peas and other flowers. It thrives in any garden soil and flowers freely in a much shorter time than is needed to perfect the old perennial kind. Sow at intervals where the plants are to flower. Any position or exposure suits it.

GYPSOPHILA ELEGANS. B. Rosy white. Very graceful. Height 1½ ft. See also Perennials page 58.....	Pkt. \$0.05
HELIANTHUS. Ornamental double varieties of the well-known Sunflower. Good for backgrounds.....	.05
Californicus. Double. Height 6 ft.....	.05
Cucumernifolius. "Stella." Single golden yellow with black center. Height 3½ ft.....	.10
Globosus fistulosus. Double quilled. Height 6 ft.....	.05
Nanus. Dwarf; double. Height 3 ft.....	.05
HIBISCUS AFRICANUS. Yellow, with dark center. Height 2 ft. See also Perennials.....	.05
ICE PLANT (<i>Mesembryanthemum crystallinum</i>). White. Trailer.....	.05
KAULFUSSIA AMELLOIDES (Cape Marguerite). B. Mixed. Height 1 ft.....	.05

KOCHIA

The Summer Cypress is not so well known in California as in the East, where it is freely used for a hedge around gardens or to divide lots. The plant makes a globular head that in summer is green and in the fall turns to a deep red, which is most attractive. Very easily grown. Pkt.

KOCHIA (Summer Cypress).....	\$0.10
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LARKSPUR

The annual Larkspurs, though not so majestic looking as the perennial or herbaceous kinds, are among the prettiest of easily grown garden plants. They grow about 2 feet high and are favorites everywhere. Pkt.

LARKSPUR (Dwarf Rocket). Mixed. Height 2 ft.....	\$0.05
Emperor. Azure Blue. Height 2½ ft.....	.05
Rose. Height 2½ ft.....	.05
Tall Stock-flowered. Mixed. Height 2½ ft.....	.05

LAVATERA



LAVATERA TRIMESTRIS. Red. Height 2½ ft.....	Pkt. \$0.05
LIMNANTHES DOUGLASII. Sometimes called Yellow Nemophila. Yellow. Height 1-3 ft.....	.05
LINUM GRANDIFLORUM RUBRUM (Crimson Flax). Crimson. Unsurpassed for brilliancy and duration of bloom. Height 1 ft.....	.05

LOBELIA

Everyone knows the blue Lobelia, formerly used so much for ribbon borders, but now more in favor for hanging baskets or pots. Dwarf and free flowering. The seed is extremely fine and must not be covered deeply.

LOBELIA. See also Perennials.....	Pkt. \$0.10
Erinus erecta. Blue. Height ¼ ft.....	.10
Crystal Palace Compacts. Dark blue. Height 1-3 ft.....	.10
Emperor William. Light blue. Compact. Height 1-3 ft.....	.10
LOVE-LIES-BLEEDING (<i>Amaranthus caudatus</i>). Crimson. Height 2 ft.....	.05
LUPINUS. See also Perennials.....	.05
Mixed Annual Varieties. B. Height 2 to 3 ft.....	.05
Nanus. Dwarf, blue. Height ¼ ft.....	.05
MALOPE GRANDIFLORA PURPUREA. Reddish purple. Height 2 ft.....	.05

MARIGOLD



AFRICAN MARIGOLD

CULTURE—Marigolds are hardy annuals and old favorites in our gardens. They are all showy, especially in masses. Sow the seed broadcast, or in rows in well spaded and finely prepared soil, covering not more than one-eighth inch deep, and thin out to 6 or 10 inches apart.

MARIGOLD. Favorite showy plants for mixed borders. See also Calendula.....	Pkt. \$0.05
African. Lemon-colored. Height 2 ft.....	.05
Orange. Height 2 ft.....	.05
Mixed. Height 2 ft.....	.05
French. Mixed. Height 1 ft.....	.05
French Dwarf Orange. Height 1 ft.....	.05
Dwarf Striped. Height 1 ft.....	.05
Legion of Honor. Golden Yellow, marked with velvety brown. Height ¾ ft.....	.05

MATHIOLA BICORNIS

Mathiola bicornis, or the Night Scented Stock, is a delightful little plant for edgings or small borders. No one who grows it once, cares to be without it afterwards. Pkt.

MATHIOLA BICORNIS Purple; fragrant. Height ¼ ft.....	\$0.05
MESEMBRYANTHEMUM TRICOLOR (Dew Plant). For edge or rockwork. Purple, rose and white. Trailer....	.05

ANNUALS (Continued)

MIGNONETTE



MIGNONETTE

CULTURE—This well known plant, is in fact a small annual shrub and grows wild on the sandy shore of Algiers. The name Mignonette is French and stands for "Little Darling." No garden should be without this sweet little plant. Sow in any good garden soil, deeply spaded, covering the seed its own depth and keeping moist.

- | | |
|---|-------------|
| MIGNONETTE, SWEET. B. Greenish white. Height ½ ft. | Pkt. \$0.05 |
| Allen's Defiance. The best variety for forcing. Height 1 ft. | .10 |
| Golden Queen. Height 1 ft. | .10 |
| <i>Germain</i> Machet. Fine for pot culture. Height 1 ft. | .10 |
| Miles' Hybrid Spiral. Very large spikes. Height 1 ft. | .10 |
| Parson's. White. Fine long spikes. Height 1 ft. | .10 |
| Ruby. Very floriferous. | .10 |
| Victoria. Red; very fine. Height 1 ft. | .10 |
| Mixed | .05 |
| The 10 cent varieties are extra fine. | |

- NEMOPHILA** (Love Grove). Charming California annuals for borders.
- | | |
|--|-----|
| Insignis (Baby Blue Eyes). Beautiful sky blue. Height ½ ft. | .05 |
| Maculata. Large, white with purple blotch. Height ½ ft. | .05 |
| Fine Mixed. Height ½ ft. | .05 |
- NICOTIANA AFFINIS** (Ornamental Tobacco). White and fragrant. Height 3 ft.
 .10 |

Sanderae. Pink. Large flowering hybrids, very showy, profuse bloomer, easily raised from seed.
 .10 |

Mixed. All colors.
 .10 |

NIGELLA (Love-in-a-Mist or Devil-in-the-bush). B. Singular flowers, the upper petals being reflexed to resemble horns.
 |

Damascena. Double. Lavender-blue. Height 1 ft.
 .05 |

NASTURTIUM

Singularly suitable for growing on poor sandy soils where few things thrive. The dwarf kinds will make a glorious display on a sand bank or any comparatively useless patch of soil, while the climbing or vining varieties run a wild riot over anything unsightly in the garden or are good for temporary summer shade on porches and verandas. Beside the showy blossoms, the foliage makes a piquant salad much liked by many people, while the seeds, if gathered green, are fine for pickling. A plant of so many points can hardly fail to be popular. Sow the seed an inch deep, where the plants are to remain, as it is not an easy subject to transplant.

- | | |
|--|--------|
| NASTURTIUM, TOM THUMB. (See also Climbing List.) Pkt. | |
| Aurora (Terra-cotta). Height 1 ft. | \$0.05 |
| Bronze. Distinct. Height 1 ft. | .05 |
| Chameleon. A fine variety producing different flowers on the same plant. Height 1 ft. | .10 |
| Cloth of Gold. Light scarlet, yellow foliage. Height 1 ft. | .05 |
| Dark Crimson. Height 1 ft. | .05 |
| <i>Germain</i> Empress of India. Dark leaves and crimson flowers. Height ¾ ft. | .10 |
| Golden King. Dark foliage. Height 1 ft. | .05 |
| King of Tom Thumbs. Dark foliage, scarlet flowers. Height 1 ft. | .05 |
| King Theodore. Nearly black. Height 1 ft. | .10 |
| Ladybird. Orange-yellow, red spots. Height 1 ft. | .10 |
| Lilliput. A new and distinct class, in every respect smaller than the Tom Thumbs. Flowers of various colors. Height ½ ft. | .10 |
| Pearl. White. Height 1 ft. | .05 |
| Regalianum. Purplish violet. Height 1 ft. | .05 |
| Ruby King. Light ruby-red. Height 1 ft. | .10 |
| Scarlet. Height 1 ft. | .05 |
| Yellow. Height 1 ft. | .05 |
| Finest Mixed. Height 1 ft. | .05 |



NASTURTIUM—TOM THUMB

- | | |
|--|-------------|
| NOLANA. Fine mixed. Traller | Pkt. \$0.05 |
| OXYURA CHRYSANTHEMOIDES. Yellow and white. Height 1 ft. | .05 |
| PANSY. (See page 60). | |
| PERILLA NANKINESIS. Hb. Very dark leaves. Height 1½ ft. | .05 |

DUTCH BULBS

Afford the richest field for beautiful decorative effects for the least labor. Any woman will enjoy the care of these aristocratic plants and revel in the beauty of the waxy flowers and richness of perfume. We are the largest importers in the West. Ask for Special Bulb Catalogue and free treatise on Bulb Culture.

ANNUALS (Continued)

PHLOX

CULTURE—Phlox is an extensive and interesting genus of invaluable hardy annuals, producing fine clusters of flowers in a variety of colors which includes white, pink, rose, purple, scarlet and a near approach to yellow. Some of the scarlets have pure white eyes and each year new varieties are added to the list. The only treatment required is to sow the seed where the plants are wanted to grow, and for perfection of flowers, thin out to one foot apart each way.



PHLOX DRUMMONDII. Showy bedding plants.		Pkt.
Bright Scarlet. Height 1 ft.....	\$0.10	
Chamois-rose. Height 1 ft.....	.10	
Double White. Height 1 ft.....	.15	
Pink. Height 1 ft.....	.10	
Red, with white eye. Height 1 ft.....	.10	
Rose, Striped White. Height 1 ft.....	.10	
White. Height 1 ft.....	.10	
Yellow. Height 1 ft.....	.15	
Fine Mixed. Height 1 ft.....	.05	
<i>Germain</i> Large-flowering. Fine mixed. Height 1 ft.....	.10	
Very Dwarf, Fireball. Brilliant scarlet. Height ½ ft....	.10	
Very Dwarf, Extra Fine Mixed. Height ½ ft.....	.10	
Cuspidata (Star Phlox). Mixed. Height 1 ft.....	.10	
PLATYSTEMON CALIFORNICUS (Cream Cups). Yellow.		
Height 1 ft.....	.05	

PORTULACA

CULTURE—The Portulaca may well claim a prominent place in our garden. A large bed or border presents a gay appearance of dazzling brilliancy. They are best sown in February and March, as they grow with great rapidity in warm weather. Sow the seed very shallow in a sunny situation. Keep moist but never over water.

Single. Yellow, white, scarlet, crimson and mixed. Height ½ ft.....	Pkt. \$0.05
Double. For exhibiting a display of dazzling brilliancy the Portulaca is unrivaled. It revels in sunshine, and will stand quite a degree of drought. White, golden, pink, scarlet and mixed. Height ½ ft.....	.10

POPPY



CULTURE—There can be no stronger and better proof of the beauty of this flower than the extent to which the varieties are grown. No other flower will produce such gorgeous brilliancy for bedding purposes. Sow the seed in beds where it is required, as it does not transplant easily. Cover it its own depth. Keep moist and thin out to six or eight inches apart.

Admiral. Single white, edged red.....	Pkt. \$0.10
Carnation. Double white. Height 2 to 3 ft.....	.05
Double Mixed. Height 2 to 3 ft.....	.05
Danebrog. Scarlet, blotched white. Height 2 ft.....	.05
French, or Ranunculus-flowered. Mixed. Height 2 ft....	.05
Mikado. White and crimson, double-fringed. Hgt. 2 ft.	.05
Miss Sherwood. The flowers are from 4 to 5 inches across, pure satiny white, tinged with chamois-rose. Height 2 ½ ft.....	.10
Peony-flowered Fine Mixed. Height 2 to 3 ft.....	.05
Shirley, Santa Rosa Strain. The best and most varied strain in existence, including the new striped salmon and bluish shades. Height 2 ft.....	.10
Shirley, Mixed. A distinct race, fine. Hgt. 2 ft	.05
<i>Germain</i> Tulip (Papaver glaucum) Scarlet. Hgt. 1 ¼ ft.	.10
Umbrosum. Scarlet-crimson. Height 1 ½ ft.....	.10

(See also list of Perennials, page 62.)

RICINUS CAMBODGENSIS (Ornamental Castor Beans).	
Leaves and stems nearly black; very fine. Height 5 ft..	.05
Sanguineus. Blood-red foliage. Height 6 ft.....	.05



PORTULACA, SINGLE

ANNUALS (Continued)

SALPIGLOSSIS

(Painted Tongue)



SALPIGLOSSIS GRANDIFLORA

Not one amateur gardener in a hundred knows this splendid annual, one of the most magnificent of all. The throat of the flower is beautifully lined and marked with rich velvety tints like an exquisite Gloxinia, but the plants are so free flowering that armful of blossoms can be gathered daily from a small bed or border. They are graceful and exquisite, especially suitable for table decoration. Sow thinly where they are to bloom and thin to 1 foot on poor soil and 18 inches on good. Try them this season. They like plenty of sun, which does not spoil the color as in some other flowers.

SALPIGLOSSIS.	Pkt
Finest Tall Mixed. Height 1½ ft.	\$0.10
Brown with gold. Height 1½ ft.	.10
Light blue. Height 1½ ft.	.10
Scarlet. Height 1½ ft.	.10
Violet. Height 1½ ft.	.10
Dwarf Mixed. Height 1 ft.	.10
SANVITALIA. Profuse-blooming trailing plants for beds, rockwork, etc. Sometimes called Trailing Sunflower.	
Double Yellow. Trailer.	.05
Procumbens. Single Yellow. Trailer.	.05
SAPONARIA CALABRICA (The Calabrian Pink or Soapwort). Pink. Height ½ ft.	.05

SCABIOSA

(Morning Bride or Pin Cushion Flower)

CULTURE—No "old fashioned" flower bed is complete without this sweet and dignified flower; and alone it is a worthy addition to any garden. Free blooming, hardy annual. It succeeds in any ordinary garden soil. Handsome flowers and fine for cutting. Sweet scented. An excellent border plant. Sow the seed ½ inch deep, keep moist, never water so much that soil becomes soggy.

	Pkt.
Azure Fairy. Delicate lavender. Height 2 ft.	\$0.10
Tall Double. Flesh color. Height 2 ft.	.10
Rose. Height 2 ft.	.10
White. Height 2 ft.	.10
Mixed. Height 2 ft.	.05
Dwarf, Double Mixed. Height 1 ft.	.05

SCHIZANTHUS

The Schizanthus has been greatly improved by selection and hybridizing in recent years, and when gardeners awake to its many merits, it will increase rapidly in popularity. Not only are the flowers bright and telling, but the foliage is deeply cut and serrated like a fern, each plant forming as it were, a complete bouquet. It has been aptly termed the "Poor man's Orchid," as it closely resembles some of these aristocratic flowers. Sow in pots or boxes and transplant to good soil in the open, in May. Also fine for pot culture in the greenhouse.

Pinnatus. Blue. Height 1½ ft.	Pkt. \$0.05
Finest Mixed. Height 1½ ft.	.05

SILENE

Used as a carpeting for bulbous plants in spring. There is no other annual plant so effective as Silene pendula compacta for this purpose. Sow in August or September. For summer blooming, sow in March.

SILENE.	Pkt.
Compacta. Double red. Height ¾ ft.	\$0.05
Pendula compacta. Red. Height ¾ ft.	.05
SUNFLOWER. (See Helianthus.)	Pkt.
SWEET SULTAN. (See Centaurea.)	
SWEET PEAS. See pages 52, 53 and 54.	
TAGETES SIGNATA PUMILA. Yellow, striped brown, fine for bedding. Height ¾ ft.	\$0.05
TORENIA FOURNIERI. T. A valuable plant for pots, baskets or borders. Violet, with lilac and yellow. Height ¾ ft.	.15
VENUS' LOOKING-GLASS. Pretty bell-shaped flowers blooming profusely, well adapted for edging and hanging-baskets. Blue. Height ¾ ft.	.05
VIRGINIAN STOCK. Red, white and mixed. Height ½ ft.	.05
VISCARIA COELI-ROSEA (Rose of Heaven). Pink. Height ¾ ft.	.05
Elegans picta. Rose and scarlet. Height 1 ft.	.05
Oculata. Rose, dark eye. Height 1 ft.	.05
WHITLAVIA GRANDIFLORA. Violet. Height ½ ft.	.05
Gloxiniodes. White and blue. Height ½ ft.	.05



SCABIOSA

ANNUALS (Continued)

STOCKS

These popular flowers are unrivalled for garden display and our strain of Giant Perfection is without doubt the finest obtainable, growing to a height of 2 feet, and producing long spikes of highly fragrant flowers and a larger percentage of double than any other strain grown.

CULTURE—*Germain's* Giant Perfection Stock is good both for winter and summer flowering, and is equally suitable for cutting and garden decoration. For a splendid display in summer, sow in February and March, continuing to sow at intervals for a succession of bloom. The latest sowing can be made in September for winter cutting and even later than this in warm localities. The soil should be carefully prepared, three parts of light loam to one each of leaf mold and sharp sand, being an ideal mixture, though any good garden soil will do. Sift this and put the rougher parts in the bottom of the flats, pans, frames or whatever receptacles are used. Then fill up with the finer part, allowing room for watering. Soak the soil thoroughly wetting every inch of it and allow it to stand long enough for the surplus water to run off. Then sow the seed thinly. Just a pinch of seed produces hundreds of plants. As soon as sown, cover with about one-eighth of an inch of the fine soil and over this place a piece of burlap or old gunny sack. No more water will be needed until the seed germinates. Watch closely and remove the covering at once when the seedlings appear. Never shade them but let the young plants have full sun from the first and there will be little trouble from "dampening off" as it is termed by growers. In a few weeks, the little plants will be large enough to prick off or transplant to other flats or frames, from which they can be planted into the beds or borders where they have to flower. With this little trouble, a magnificent display of the lovely fragrant flowers will be secured at a merely nominal expenditure.

<i>Germain</i> Giant Perfection. Fiery crimson, flesh-color, Pkt. rose, light blue, dark blue, white. Height 2 ft. \$0 15	
Large-flowered. Crimson, flesh-color, light blue, rose, yellow white and finest mixed. Height 1 ft.	10
Finest Mixed. Height 1 ft.	10
Princess Alice (Cut-and-come-Again). White. Hgt. 1½ ft	10
Wall-flower-leaved, "Snowflake." Pure white, Height 1 ft	15
Finest Mixed. Height 2 ft.	10



OUR STOCKS GROWING AT ARROYO GRANDE, CAL.

ZINNIA

(Youth and Age)

The Zinnia is so easily grown that it is apt to be left alone after sowing, to look after itself, and this it will do to an extent that is quite surprising. But give it the same attention that is given to other and less valuable flowers and there is nothing that can equal it for gorgeous beauty. Our Mammoth strain produces flowers as large as the finest Dahlias, magnificent in petalage and of the brightest imaginable coloring. To get this splendid effect, prepare the soil with care and use plenty of well decayed manure, which must be well incorporated as the digging proceeds. Then sow the seeds where they are to flower. The finest Zinnias are always from plants that have not been transplanted. Thin to 18 inches apart or less, if the soil is poor. Cultivate the ground between the plants regularly, give water in abundance in dry weather and grand results will be obtained. There is no better strain of Zinnias in existence than that offered



GIANT PERFECTION STOCKS



MAMMOTH ZINNIA

ZINNIA.		Pkt.
Dwarf. Double mixed. Height 1 ft.		\$0 05
<i>Germain</i> Mammoth. Double mixed. Height 3 ft.		10
Haageana, fl. pl. Double yellow. Height 1 ft.		10
Finest Double Mixed. Height 2 ft.		05

SEEDS OF CLIMBING PLANTS

Nothing lends such a charm to the home as vines and climbers. A vine clad porch or veranda on a hot day is a pleasant place. Vines soften ugly, hard lines in architecture, hide unsightly things in the garden, are beautiful in or out of flower and cannot be too freely planted. Many of the dwarfier kinds are nice for hanging baskets or for clothing parkways. Others are good for scrambling over old dead trees or posts. In short, there is no garden, no matter how small, in which vines do not play an important part in the scheme of decoration.

A—Annual

P—Perennial

COLLECTIONS (Our Selection)

12 Beautiful Varieties, Climbing and Trailing Plants.....	\$0.50
6 Beautiful Varieties Climbing and Trailing Plants.....	\$0.25

Passion Flowers

4 Elegant Varieties.....	\$0.50
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ADLUMIA CIRRHOSA. P. The graceful Allegheny Vine; Pkt. also Mountain Fringe. Pink. Height 8 ft. \$0.10

AMPELOPSIS VEITCHII

This is the well known Boston Ivy, a plant known from coast to coast. It clings with great tenacity to anything within reach of the little tentacles, produced from the stem. In summer, the foliage is deep green; in autumn it turns to the most delightful tints, and even in winter after the foliage is gone, the delicate tracery of stems left behind is beautiful in the extreme. The seed may be sown at any time of the year.

AMPELOPSIS. Veitchii (Japan Ivy). P. Height 50 ft. 10

ANTIGONON LEPTOPUS

Planted in a sunny location, where it can ramble at will, there is not a more beautiful plant in existence than the Mexican Rosa de Montana. Nearly always in flower; the blossoms are like those of an elegant rosy pink Begonia, but borne in the greatest profusion all over the plant. Will not thrive in a shady position. While usually considered tender, this vine stood through the severe frosts of 1912-1913.

ANTIGONON LEPTOPUS. 15

ARISTOLOCHIA (The Dutchman's Pipe Vine)

There are several fine climbers in this genus, but the two we offer are perhaps the finest of all. A. elegans is the newer of the two and is a twiner with small leaves and gorgeously colored flowers, freely produced. It has none of the unpleasant odor complained of in the older Aristolochias. A. Siphon is not so remarkable for its flowers, but the foliage is grand, its known leaves of the deepest green being among the finest things known in horticulture.

ARISTOLOCHIA ELEGANS. Hhp. Chocolate and purple. Height 30 ft. 10

Siphon (Dutchman's Pipe). P. Very odd-looking and interesting. Yellow and brown. Height 40 ft. 10

AUSTRALIAN PEA VINE. See Dolichos lignosus.

BALLOON VINE. Hha. Bears a pretty, inflated capsule. White and green. Height 8 ft. 05

BIGNONIA (Trumpet Vine). P. Sometimes classed with Tecoma. Robust, hardy. Very ornamental. Radicans. Orange-scarlet. Height 15 ft. 10

Stans (Tecoma). Orange; distinct foliage. Height 10 ft. 10

Tweediana. Bright Yellow; evergreen. Height 20 ft. 10

CANARYBIRD FLOWER (Tropaeolum peregrinum). Hha. A charming annual vine with delicate foliage. Flowers yellow. Height 8 ft. 10

CLEMATIS

The beauty of the Clematis or Virgin's Bower is well known, but the plants are not as freely used as they ought to be. The new hybrid forms give a variety of color and size, some magnificent things having appeared among them, but there is not a single Clematis of any sort or kind that is not well worth its place in any garden. The seed takes a long time to germinate.

CLEMATIS. 10

Jackman's New Hybrids. Mixed. Height 10 ft. 25

Viticella. Purple. Height 10 ft. 10

CLIANTHUS PUNICEUS (New Zealand Parrot's Bill). P. A very handsome climber. Bright scarlet. Hgt. 6 ft

CORAE. P. Rapid-growing bell-shaped flowers. Alba. White. Height 20 ft. 15

Macrostemma. Yellowish green, tipped with violet; stamens of enormous length. Height 15 ft. 10

Scandens. Purple. Height 20 ft. 10

CONVOLVULUS. A. The well-known Morning-Glories. Aureus superbus. Yellow. Very fine, rare. Hgt. 8 ft. 15

Major. Blue. Height 10 ft. 05

Crimson. Height 10 ft. 05

Double. White-veined purple. Height 10 ft. 10

Pink. Height 10 ft. 05

Striped. Height 10 ft. 05

White. Height 10 ft. 05

Mixed. Height 10 ft. 05

CYPRESS VINE (Ipomoea quamoclit). Hha. Well-known climbers, with handsome delicate foliage. Scarlet. Height 8 ft. 05

White. Height 8 ft. 05

Mixed. Height 8 ft. 05

DOLICHOS LABLAB. Hha. Mixed. Height 8 ft. Pkt. \$0.05

Lignosus alba. 10

Lignosus (Australian Pea). P. Rose and purple; one of the best climbers for a hot, dry climate. Height 15 ft. 05

ECCREMOCARPUS SCABER. P. Orange; very valuable to cover trellises. Height 6 ft. 10

HUMULUS (Hop Vine)

The Hop Vine is one of the quickest growers that we have and very beautiful. It rapidly covers arbors, fences or porches and is beautiful even when allowed to ramble at will about a pole or dead tree stumps. Sow in spring where plants are needed.

HUMULUS. 10

Japanicus (Japanese Hop). A. Height 20 ft. 10

Japanese Variegated. 10

Lupulus (Common Hop). 10

IMPERIAL JAPANESE MORNING GLORY. Hha. Mixed, all colors. Very large. Height 30 ft. 10



IPOMEA MEXICANA ALBA

IPOMEA, HEAVENLY BLUE. Hha. Light blue. Hgt 15ft Pkt. \$0.10

Leari (Blue Moon-flower). P. Splendid. Height 25 ft. 10

Mexicana grandiflora alba (True White Moon-flower). Hhp. Height 30 to 40 ft. 15

KENNEDYA BIMACULATA GRANDIFLORA. P. Purple. Height 10 ft. 15

KUDZU VINE (Pueraria Thunbergiana). Recently introduced from Japan. One of the most rapid-growing vines known. Will grow 50 feet in one season. The leaves are very large, making it a suitable plant for covering arbor, trellis, etc. Flowers are pea-shaped and rosy purple in color. 10

LATHYRUS LATIFOLIUS (Everlasting Pea). P. Mixed, rose and white. Height 6 ft. 05

LOASA AURANTIACA (the Chilean Nettle Plant). Hha. Has beautiful, interesting golden yellow flowers. Must be handled with gloves, as the leaves sting. Height 6 ft. 10

SEEDS OF CLIMBING PLANTS (Continued)

LONICERA TARTARICA (Tartarian Honeysuckle). P. Pkt. Rose. Height 6 ft.	\$0.10
MANDEVILLA SUAVEOLENS (Chili Jasmine). P. Very fragrant. White. Height 15 ft.	.10
MAURANDIA . White. Hhp. Height 8 ft.	.10
Purple. Height 8 ft.	.10
Fine Mixed. Height 8 ft.	.10

MINA LOBATA

One of the prettiest vines. An annual that usually reproduces itself from seed when planted. The blossoms are elegant, yellow and red and produced with the greatest freedom. Not sufficiently known. Try it.

MINA LOBATA . Red, yellow and white. Height 15 ft. .	.10
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NASTURTIUM (Tall)

Thrives well in poor soil and covers quickly fences or bare spots in the landscape. The remarks on the dwarf varieties under "annuals" are also applicable to the tall ones.

NASTURTIUM, TALL, CHAMELEON . A new variety. Pkt. has flowers of different colors on same plant. Hgt. 6 ft. \$0.10	
Dark Crimson . Height 6 ft.	.05
Edward Otto . Brownish lilac. Height 6 ft.	.05
Heinemanni . Chocolate-color. Height 6 ft.	.05
King Theodore . Dark maroon, with dark <i>Germain</i> leaves; extra fine. Height 6 ft.	.05
Orange . Height 6 ft.	.05
Pearl . Creamy white. Height 6 ft.	.05
Regalianum . Purplish violet. Height 6 ft.	.05
Scarlet . Height 6 ft.	.05
Vesuvius . Salmon-rose, dark-leaved; splendid. Hgt. 6 ft	.10
Yellow . Height 6 ft.	.05
Finest Mixed . Height 6 ft.	.05

PASSIFLORA

The well known Passion Flower, a splendid climber, thriving anywhere. The flowers are produced with great freedom all along the vine and while there is a great variety of colors, every one is beautiful.

PASSIFLORA COERULEA . P. Blue. Height 8 ft.	\$0.10
Eduilis . P. Mauve; edible fruit. Height 8 ft.	.10
Rosacea (incarnata) . Tall; rose-pink.	.25
White . Hhp. Three-angled stem; edible. Height 8 ft.	.10
Fine Mixed . Height 6 to 8 ft.	.10
PHASEOLUS CARACALLA (Snail Vine). Hhp. Lilac- purple and white; very beautiful and interesting. Height 8 ft.	.10
SMILAX . P. White; very useful for festooning, etc. Height 6 ft.	.10
SOLLYA HETEROPHYLLA (Climbing Bluebell). Hhp. A pretty climber, with charming intense blue flowers. Height 6 ft.	.15

TACSONIA

This resembles the Passion Flower but is if anything more ornamental. The growth is extra robust and the large flowers hang pendant from it, making it especially suitable for arbors or roofs of porches. The colors are variable, but usually some shade of red, scarlet shades being extremely telling and effective.

TACSONIA (Ignea) . Red.	\$0.25
Pink	.25
Mixed . Height 6 ft.	.10

THUNBERGIA ALATA

One of our most frequent inquiries is "What is the best vine for windows and hanging baskets?" *Thunbergia alata* fills the bill. It has deep, green leaves on scandent stems and the flowers are yellow or buff, with deeply colored eyes. One of the very best.

THUNBERGIA ALATA . Hha. Free bloomer of rapid Pkt. growth; flowers of white and yellow shades, with striking black centers. Mixed, white and yellow. Height 6 ft.	\$0.10
TROPAEOLUM . A. Useful climber, which may be pegged down and used for bedding purposes. May also be grown in pots for winter flowering.	
Lobbianum, Spitfire . Vivid scarlet. Height 6 ft.	.05
Finest Mixed . All colors. Height 6 ft.	.05



PASSION FLOWER.



WISTARIA (for Vines, see page 90)

WISTARIA SINENSIS . P. A charming old-fashioned Pkt. hardy climber, producing its pale blue flowers in large clusters in early spring. Light blue. Height 50 ft.	\$0.15
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Germain

WHITE
SPENCER SWEET PEAS



SPENCER, ORCHID FLOWERING AND NEW VARIETIES OF SWEET PEAS

CULTURE—Sweet Peas should be sown about three inches deep and require an abundance of water—but do not sprinkle the vine. Keep the flowers picked and do not allow them to run to seed or they will soon stop flowering.

The character of these flowers is of healthy and vigorous growth and quite distinct from the standard sorts. They are very large, measuring from 2 to 2½ inches across with large frilled and wavy standards. Three and four of these beautiful flowers are borne on one good long stem, making them unsurpassed for vases and other decorative flower work.

	Pkt.	Oz.		Pkt.	Oz.
APPLE BLOSSOM SPENCER. Rose and White, beautifully waved.....	\$0.10	\$0.50	FLORENCE MORSE SPENCER. Blush white, edged pink, wavy standard.....	\$0.10	\$0.35
ASTA OHN SPENCER. Lavender, suffused with mauve; exquisite.....	.10	.35	FRANK DOLBY. Color lavender blue, wavy standard; the largest of the lavenders.....	.10	.35
BLACK KNIGHT SPENCER. A beautiful pink and white with wavy standards.....	.10	.35	GLADYS UNWYN. Clear light pink. A very large flower of open form with wavy standard.....	.10	.35
CONSTANCE OLIVER. Light pink on cream. Very wavy.....	.10	.35	HELEN LEWIS. In shape like the above, standard orange, wings rosy orange.....	.10	.35
COUNTESS SPENCER (Orchid flowering hybrid). Gigantic flowers of perfect form with round open waved standards. Shell-pink, deepening at the edges.....	.10	.35	HELEN PIERCE. Mottled and veined bright blue on pure white.....	.10	.35
DAINTY SPENCER. White with pink, wavy edges.....	.10	.55	HENRY ECKFORD. Intense bright orange, wings shading to deeper rose-orange color.....	.10	.35
DORA BREADMORE. Pale buff yellow, faintly tinged with delicate pink.....	.10	.35	KING EDWARD SPENCER. Crimson scarlet... ..	.10	.50
E. J. CASTLE. A large flowering variety; rich carmine rose, shading to salmon in the standard.....	.10	.35	MRS. ALFRED WATKINS. Beautiful pale pink, large size, with bold wavy standards.....	.10	.35
ENCHANTRESS. Rose-pink on a rich cream ground.....	.10	.35	NORA UNWYN. The largest pure white flowers.....	.10	.35
FLORA NORTON SPENCER. Clearest and most pronounced blue. Wavy standard.....	.10	.35	PRIMROSE SPENCER. A pronounced primrose or creamy yellow, with beautiful crinkled wings.....	.10	.35
NEW AND ORCHID. Flowering varieties, mixed.....	.10	.25	QUEEN ALEXANDRA The finest bright scarlet large flower.....	.10	.50
			WHITE SPENCER. Best pure white wavy standard.....	.10	.35

SUNSET COLLECTION SWEET PEAS



Few flowers repay the grower so bountifully or so richly as the sweet pea. From early spring, which in California is in February, until well through the summer this graceful, climbing annual will furnish a most gorgeous display along the dead walls, and provide a fragrant, beautiful indoor decoration. The unusual popularity of our "Sunset Collection" establishes it as the most successful collection on the market, and the prospective demand for this season has been provided for with almost carefully selected stock. The colors in this group are each so distinct that the seven varieties provide as varied an assortment as anyone could wish, and their giant size makes them preeminently attractive.

The "Sunset Collection" is put up with each color in a separate package, and a liberal quantity of seed is offered at the attractive price of 50 cents.

"Sunset," Lavender—A beautiful shade of dainty lavender, open and wavy.

"Sunset," Orange Rose—Large wavy wings of the Spencer type.

"Sunset," Pink—A beautiful flower.

"Sunset," Primrose Buff—Large wavy flowers, deep cream or primrose colored.

"Sunset," Scarlet Brilliant—A most gorgeous flower with wavy standards and drooping wings. The choice of the scarlets.

"Sunset," Purple Striped on White—Mottled and striped on white ground.

"Sunset," White—An exquisite pure white, the finest of the Spencer forms. Large open waved lasting flowers.

SWEET PEAS (Continued)

LEADING STANDARD SORTS.

- AMERICA.** White ground, striped with blood red.
APPLE BLOSSOM. White suffused with rosy carmine.
BLANCHE BURPEE. Pure white; large
BLANCHE FERRY. Pink and white.
COUNTLESS OF CADOGAN. The first blossoms have purple standards, which turn to a clear bright blue.
COUNTLESS OF RADNOR, IMPROVED (New Countess). Pure light lavender; very large.
For main **DOROTHY ECKFORD.** The new white. One of the largest and purest whites. The best in existence.
DOROTHY TENNANT. Deep rosy mauve.
EMILY ECKFORD. Light reddish mauve, wings porcelain blue.
GORGEOUS. Bright orange-salmon, wings orange red.
JANET SCOTT. Bright pink. Wings rose pink.
HON. MRS. E. KENYON. A fine large primrose-yellow.
HON. F. BOUVERIE. Standard coral pink wings; flesh pink.
Germain **KING EDWARD VII.** Bright crimson; very large flowers. Best red.
LADY GRISEL HAMILTON. Delicate silvery lavender.
LOTTIE ECKFORD. White, suffused and edged with lavender
LOTTIE HUTCHINS. Penciled and clouded pink on straw-yellow.
LOVELY. Shell-pink; extra large; very fine.
MAID OF HONOR. White and lavender, edged blue.
MISS WILLMOTT. Bright orange-pink veined with a deep tint
MODESTY. A very soft and delicate pale pink.
NAVY BLUE. Deep blue; extra fine.
OTHELLO. Deep maroon; very large and of finest type.
PRIMA DONNA. Soft rose-pink; extra fine.
RAMONA. White striped and splashed with delicate pink.
ROYAL ROSE. Deep rose, shaded light pink.
SADIE BURPEE. White, blush tinge when young.
SALOPIAN. Deep crimson-red; extra large.
SENSATION. White with flesh tinge.
STELLA MORSE. Primrose, clouded rosy apricot.

The above varieties, separate colors, packet 5 cents, dozen packets 50 cents, ounce 15 cents, $\frac{1}{4}$ pound 35 cents, pound \$1.25. The whole collection of thirty varieties, one packet of each, postage paid for \$1.00.

CALIFORNIA LARGE-FLOWERING MIXED. From 20 named varieties. Packet 5 cents, ounce 15 cents, $\frac{1}{4}$ pound 35 cents, pound \$1.00.

GERMAIN'S SPECIAL LIGHT MIXTURE. Including only light and bright colors. Same price as above.

CUPID OR DWARF SWEET PEAS

The Cupid varieties are very showy and splendid for bedding. Height 6 inches. Plant the seed 6 inches apart.
MIXED. 5 cents per packet, 25 cents per ounce.

CHRISTMAS FLOWERING SWEET PEAS

10 Cents per Packet. 25 Cents per Ounce

This distinct class has become very popular. They begin flowering in from six to ten weeks from seed sowing and can be had for Christmas flowering. The plants are of a bushy growth and produce an abundance of good size flowers.

- ANGELENO.** Flesh Pink.
BLANCHE FERRY. Extra early. Pink and White.
CHRISTMAS. PINK.
 Red.
 White.
EARLIEST OF ALL. Pink and white.
FLORENCE DENZER. Pure white.
METEOR. Red.
MONT BLANC. Pure white. Very large.
MRS. ALEXANDER WALLACE. Lavender.
MRS. GEO. LEWIS. White, waved.
MRS. TOTTY. Sky blue.
MRS. WM. SIM. Salmon pink.
MIXED CHRISTMAS VARIETIES.

ORNAMENTAL GRASSES



ORNAMENTAL GRASSES

Most of these, if cut before they are quite ripe, will be useful in winter bouquets or with everlasting flowers.

A. Annual. P. Perennial. Sow in boxes in February or March; when large enough, transplant.

	Pkt.
AGROSTIS NEBULOSA. A. Very graceful and fine for vases or bouquets. Height 1 ft.	\$0.10
Pulchella. A. Very graceful and fine for vases and bouquets. Height 1 ft.	.10
BRIZA MAXIMA. A. Large. Height 1 $\frac{1}{2}$ ft.	.05
Gracilis (Quaking Grass). A. Slender; fine for bouquets. Height 1 ft.	.05
COIX LACHRYMA. Job's Tears.	.05
ERAGROSTIS ELEGANS (Love Grass). A. Has beautiful dancing spikelets; good for bouquets. Height 1 ft.	.05
EULALIA JAPONICA (Japan Plume Grass). P. Very effective in groups. Height 6 ft.	.10
FESTUCA GLAUCA. P. Very neat and compact; fine for edgings to ribbon beds and borders. Height $\frac{1}{2}$ ft.	.10
Procumbens. P. Very neat and compact; fine for edgings to ribbon beds and borders. Height $\frac{1}{2}$ ft.	.10
ISOLEPIS GRACILIS. P. Very pretty rush-like grass for hanging baskets and pot culture. Height 1 ft.	.10
LAGURUS OVATUS (Hare's Tail Grass). Fine for bouquets. Height 2 ft.	.05
LASIAGROSTIS ARGENTEA. P. Very graceful and fine for bouquets. Height 3 ft.	.10
STIPA PENNATA (Feather Grass). P. Universally admired in bouquets. Height 2 ft.	.10
TRICHOLAENA ROSEA. P. Very pretty, with rose-colored panicles. Height 3 ft.	.10
UNIOLA LATIFOLIA (Sea Oats). P. Very ornamental. Height 4 ft.	.10
ZEA JAPONICA FOL. VARIEGATA (Striped Japanese Maize). Hha. Very ornamental. Height 4 ft.	.50

EVERLASTING FLOWERS : ORNAMENTAL GOURDS

Collections

OUR SELECTION

6 Fine Packets.	Value 40 cents.	\$0.25
10 Fine Packets.	Value 80 cents.	.50
15 Fine Packets.	Value \$1.15.	.75

Collections

OUR SELECTION

6 Fine Varieties.	Value 40 cents.	\$0.25
10 Fine Varieties.	Value 80 cents.	.50
17 Fine Varieties.	Value \$1.50.	1.00



HELICHRYSUM, DOUBLE

These are greatly admired and highly prized for winter bouquets. They should be cut when partially expanded, and hung with the heads downward until thoroughly dry.

ACROCLINIUM. Single, white. Height 1 ft.	Pkt. \$0.05
Pink. Height 1 ft.	.05
Mixed. Height 1 ft.	.05
Double, white, 50 per cent double flowers. Height 1 ft.	.10
Double, pink. Fifty per cent double flowers. Height 1 ft.	.10
AMMOBIUM ALATUM. White. Height 1 ft.	.05
GLOBE AMARANTHUS. Purple. Height 1 ft.	.05
White. Height 1 ft.	.05
Fine mixed. Height 1 ft.	.05
GNAPHALIUM LEONTOPODIUM. White. Height ½ ft.	.15
The true "Alpine Edelweiss."	
HELICHRYSUM (Straw Flower). Tall, double pink. Height 2 ft.	.10
Tall, double, white. Height 2 ft.	.10
Tall, double, mixed (see cut). Height 2 ft.	.10
RHODANTHE. Mixed. Height 1 ft.	.10
XERANTHEMUM. Double, mixed. Height 2 ft.	.05



ABOBRA VIRIDIFLORA. Greenish flowers; a tuberous perennial gourd, with pretty scarlet fruits. Height 6 ft.	Pkt. \$0.10
BRYONOPSIS LACINIOSA ERYTHROCARPA. Very ornamental, with pleasing cut foliage, and bright colored fruits. Height 5 ft.	.10
CUCUMBER SNAKE (<i>Cucumis flexuosus</i>). Height 6 ft.	.10
<i>Germain</i> Wild. Very curious. Height 4 ft.	.10
GOURD. Bottle-shaped. White flowers. Height 10 ft.	.10
Calabash-shaped. Height 10 ft.	.10
Dipper. Height 10 ft.	.05
<i>Germain</i> Dish Rag. When properly prepared this is very serviceable in many ways. Height 6 ft.	.10
Egg Shaped. "Nest Egg." Height 10 ft.	.05
Gooseberry. Smallest. Height 10 ft.	.10
Hercules Club. Fruits 7 to 8 ft. in length. Height 15 ft.	.05
Orange Shaped. (Mock Orange). Height 15 ft.	.10
Pear Shaped. Height 10 ft.	.10
Serpent (<i>Trichosanthes Colubrina</i>). Very long and coiled. Height 10 ft.	.10
Sugar Trough. Enormous, holding several gallons. Height 15 ft.	.05
MOMORDICA BALSAMINA. "Balsam Apple." Height 6 ft.	.10
Charantia. "Balsam Pear" Height 5 ft.	.10
The Momordicas are very handsome. The fruits burst when ripe, exposing bright orange-scarlet interior, which resembles a handsome flower.	
FINEST MIXTURE.	.05

PERENNIALS

The very word "Perennial" conjures up old time memories of old fashioned plants, lovely old gardens with borders, semi-neglected, perhaps, but always overflowing with flowers; gardens where one can cut sheaves and armfuls of flowers without their being missed, where every day in the year, there is something new. Giant blue Larkspurs look over garden walls or fences; Lilies invite one into the garden by their grateful perfume, while in the spring, the tender shoots pushing through the soil are almost as beautiful and equally interesting as the flowers. In autumn, Chrysanthemums, Dahlias, Asters and Foxgloves brighten the shortening days, while even the decaying foliage of those which have been so glorious during the summer is not without its charm. This is not the place for the tidying up gardener. It is "Grandmother's Garden", a garden of sweet things, of memories, of beauties unknown to those who only look for glaring displays and hard color outlines. And all these can be had by anyone who will take the little trouble to plant a few seeds, for nearly all these precious plants can be raised from seed, as easily as a pansy. Especially in the Southland, is this phase of gardening neglected, just where it ought to be most popular. A rise in favor has been noted among these plants in recent years, but even now, they are not as much grown as they ought to be and as they would be if garden lovers only knew of their beauty.

COLLECTIONS

12 Fine Varieties of Perennial Flower Seeds..... \$0.50 6 Fine Varieties of Perennial Flower Seeds..... \$0.25

Price \$1.50

Hardy Perennial Collection

Value \$2.00

ANEMONE CORONARIA. Mixed. Height 1½ ft.
ANTIRRHINUM (Snapdragon). Mixed colors. Height 2 ft.
AQUILEGIA (Columbine). Mixed best varieties. Height 2 ft.
CENTAUREA CANDIDISSIMA (Dusty Miller). Height 1½ ft.
COREOPSIS LANCEOLATA. Bright gold. Extremely desirable. Height 2 ft.
DELPHINIUM ELATUM (See Larkspur). Mixed blue. Hgt 2ft.
DIGITALIS (Foxglove). Best variety, handsome markings, 3ft.
DIANTHUS (Hardy Pinks), 3 packets. Three different varieties of rich and handsome colorings. Height 1 ft.
FRAXINELLA (Burning Bush). Height 2 ft.
FRENCH HONEYSUCKLE. Red and white mixed. Hgt. 3 ft.
GAILLARDIA (Blanket Flower). Finest mixed. Height 2 ft.
HONESTY. An old fashioned flower with a curious seed pod. Flowers pink, purple and white. Height 1½ ft.

IPOMPSISO (Texas Plumes). Scarlet and gold. Height 3 ft.
HUNNEMANNIA (Yellow Tulip Poppy). With crinkled petals. Height 2 ft.
MARVEL OF PERU (Four o'clock). Large flowering mixed. Two ft.
PENTSTEMON GRANDIFLORA. Finest mixed. Height 2 ft.
PYRETHRUM ROSEUM. Single finest mixed. Height 2 ft.
ROSE CAMPION (Agrostemma Coronaria). Crimson flowers. Height 1½ ft.
SWEET ROCKET (Dame's Violet). Sweet scented mixed, 1½ ft.
SWEET WILLIAM. Finest varieties single and double mixed. Height 1½ ft.
VINCA (Periwinkle). Mixed colors. Height 2 ft.
WALLFLOWER. Fragrant. Finest varieties mixed. Hgt. 2 ft.

ALYSSUM SAXATILE

Must not be confounded with the Sweet Alyssum. A lovely plant with golden yellow flowers so profusely produced as to completely hide the plant. Grows anywhere. Pkt.
ALYSSUM SAXATILE. B. Beautiful yellow. Hgt.¾ ft. \$0.05
ACHUSA CAPENSIS (Cape Alkanet). B. Azure-blue, free-blooming biennial. Height 1½ ft. .05
ANEMONE CORONARIA (Windflower). Beautiful, early spring-flowering plants. Mixed. Height ½ ft. 10

ANTIRRHINUM

The old-fashioned Snapdragon, one of the hardiest and best perennials, flowering the first year from seed. The colors are now rich and varied, the habit tall or dwarf, as indicated below—an indispensable plant.

ANTIRRHINUM (Black Prince). Nearly black; dwarf. Pkt. \$0.10
 Very fine..... .05
Dwarf, Mixed. Height 1 ft. 05
Germain **Majus.** Tall, mixed. Height 2 ft. 05
Tall Firefly. Brilliant scarlet. Height 2 ft. 05
Tall White. Height 2 ft. 05
Tall Yellow. Height 2 ft. 05
Tom Thumb, Mixed. Height ¾ ft. 05
Victoria. Pure white. Height 2 ft. 10

AQUILEGIA

The old-time Columbine, a delightful plant in every respect, native to America, but much improved by cultivation and selection. Our Rocky Mountain Columbine is one of the finest of all, with its long caudate spurs and charming coloring. Every color is represented in such lovely combinations as to win the admiration of all.

AQUILEGIA (Chrysantha). Yellow. Height 2 ft. 10
Coerulea (Colorado State Flower)..... .15
Double Mixed Hybrids. Very fine. Height 2 ft. 10
Single Mixed. Height 2 ft. 05

ARABIS ALPINA

One of the first flowers of spring, better known as "Snow on the Mountain". Comes easily and freely from seed and produces a white sheet of flowers, fragrant and delightful. Fine for rock-work.

ARABIS ALPINA White. Height ½ ft. 05
ARMERIA. The Sea Pink, an edging plant without an equal; fine foliage even after the flowers are gone, always attractive. 10
ASPARAGUS SPRENGERI. A fine ornamental plant for hanging baskets. 10
Plumosus. A fine pot-plant; 100 seeds 85 cents. 10
ASPERULA ODORATA (Woodruff). White; very fragrant. Height ¾ ft. 10
ASTER (Michaelmas Daisy). Perennial varieties, finest mixed. Height 3 ft. 10
AURICULA. Finest English hybrids; from the finest collection. Fine deep colors, variously margined. Good for pot culture. Height ¾ ft. 25

BEGONIA

The tuberous rooted Begonia is one of the finest greenhouse plants. Sow in early spring, in fine sterilized soil, leaf-mold and sand. Cover the seeds very slightly and place a sheet of glass over each pan or flat until the young plants are up. Prick off singly as soon as large enough to handle and place in small pots when ready, potting into the larger sizes as they fill the smaller with roots. The tuberous Begonia is also good for bedding in a semi-shaded position, but will not stand the full sun. The fibrous rooted kinds do better with more light.



BEGONIA. T. Double Tuberous-rooted, mixed. Hgt. 1½ ft. \$0.50
 Single. Tuberous-rooted, splendid mixed. Height 1½ ft. .50
Germain **Luminosa.** Extra fine for bedding or borders. .25
Semperflorens. Finest of the more hardy bedding Begonias. 25

PERENNIALS (Continued)

BELLIS PERENNIS. The popular Double English Daisy. Very useful for edgings.	Pkt.
<i>Germain</i> Double Red. Height ½ ft.	\$0.10
Longfellow. Large, double rose. Height ½ ft.	.10
Quilled. Double mixed, fine. Height ½ ft.	.15
Snowball. Double white. Height ½ ft.	.10
Mixed Double. Fine. Height ½ ft.	.10
CACTUS. Saved from the best and most distinct species. Finest mixed. Height ½ to 4 ft.	.15

CAMPANULA

This includes the Bell Flowers and the delightful old Canterbury Bells. Easily grown, free flowering plants that can be raised from seed in less than six months. Sow in August for spring flowering and again in the spring.

CAMPANULA (Bellflower). (See also Canterbury Bells.)	Pkt.
Carpatia. Blue. Height ½ ft.	\$0.05
Pyramidalis. Blue. Height 3 ft.	.05
CANNA. Handsome plant for lawn decorations and for backgrounds. Soak seed in tepid water twenty-four hours before sowing.	
New French Hybrids. Mixed. Height 4 ft.	.10
CANTERBURY BELLS. B. Very handsome border perennials of great utility, and deservedly popular favorites. They are called "Hose in Hose" or "Cup and Saucer" Canterbury Bells.	
Single. Blue, white, rose and mixed. Height 2 ft.	.05
Double. Blue, white, rose and mixed. Height 2 ft.	.10
Calycanthema Mixed. Height 2 ft.	.10

CARNATION

Too well known to need description. Our seed is saved from the finest kinds selected, especially for bright coloring, size and fragrance. The Marguerite forms are smaller but flower in a shorter time from seed. They are distinct and profitable.

CARNATION.	Pkt.
Finest German Mixed. Height 1½ ft.	\$0.25
Grenadin. Early dwarf, red. Height ½ ft.	.10
Hermine. Pure white; extra fine. Height 2 ft.	.25
<i>Germain</i> Marguerite Mixed. Will commence flowering within four months from the time of coming up. Height 1½ ft.	.10
Marguerite, Snowflake. Pure white. Height 1½ ft.	.10
Perpetual, or Tree. Very fine mixed. Height 2 ft.	.25
Salmon. Height 2 ft.	.25
Scarlet. Height 2 ft.	.25
Yellow. Height 2 ft.	.25
Redondo Mixed. Height 1½ ft.	.15
CENTAUREA (Dusty Miller). Fine plants for borders.	
Candidissima. White foliage. Height 1 ft.	.10
Gymnocarpa. Height 1 ft.	.10
CERASTIUM TOMENTOSUM (Jerusalem Star). White leaves; trailer; useful for edging and rockwork.	.15
CHRYSANTHEMUM FRUTESCENS (Paris Daisy or Marguerite). B. White, yellow eye. Height 2 ft.	.10
<i>Germain</i> Leucanthemum hybrid (Shasta Daisy): White, yellow center; flowers four inches in diameter; valuable for cutting. Height 2 ft.	.10
Indicum (Chinese). Mixed. Height 3 ft.	.10
Nanum (Pompone). Mixed. Height 2 ft.	.10
Japonicum (Japanese). Mixed. Height 3 ft.	.10
The last three kinds are the Chinese and Japanese varieties so extensively grown and used during the fall.	
CINERARIA MARITIMA CANDIDISSIMA. Silvery foliage, very useful for ribbon beds and borders. Height 1 ft.	.10
CLIANTHUS DAMPIERI (the Australian Glory Pea). A magnificent flower, scarlet, with black center. Water sparingly after sowing. Height 4 ft.	.15

COLEUS

Gorgeous leaved plants, suitable for bedding out or indoor use. The coloring in our large leaved varieties is not excelled by even the finest Caladiums, while the variety in tints is remarkable. The Coleus likes plenty of sun, ample moisture and rich, light soil to bring out its best points. Sow in March.

COLEUS.	Pkt.
New large-leaved. Very fine. Height 2 ft.	\$0.25
Finest Mixed. Height 2 ft.	.15
CONVOLVULUS MAURITANICUS. Hardy perennial for hanging-baskets with flowers of bright metallic luster. Lavender, trailer.	.10

COREOPSIS GRANDIFLORA

The best golden yellow composite, fine for cutting or for garden decoration. It comes easily and quickly from seed and flowers very freely. Sow several times in the year for a succession of bloom.

COREOPSIS, GRANDIFLORA. H. Height 2 ft.	Pkt. \$0.10
Lanceolata. B. A beautiful plant, with lance-shaped leaves and showy bright flowers 2 or 3 inches in diameter. Yellow. Height 2 ft.	.10
CUPHEA PLATYCENTRA (the Cigar Plant). Pretty tubular flowers. Scarlet and black. Height 2 ft.	.10

CYCLAMEN

One of the most popular of greenhouse plants and deservedly so. The seed should be sown in autumn, any time from August to November, and again in the spring for a succession of flowers. During the last ten years, the strains have been greatly improved by European hybridists. We constantly add the finest varieties and there is nothing better than our strain in existence. The seeds should be dibbled in half an inch deep and 1 inch apart.

CYCLAMEN. Hh.	Pkt.
Persicum. Bulb. Fine mixed, white and pink. Hgt. ½ ft.	\$0.25
Persicum giganteum. Bulb. Fine mixed, white and pink. Height ¾ ft.	.25
DAISY. See Bellis.	
DAISY, SHASTA. See Chrysanthemum above.	

DAHLIA

While Dahlias are more frequently raised from tubers than seed, there is great interest in growing some seedlings, as there is always the chance of getting something novel and distinct among them. Both single and double, also the Pompon and Cactus forms can be grown this way. Sow in February and March, under glass, or in April in the open ground. Watch carefully for slugs and small snails, as these will ruin hundreds of the young plants in a night, if allowed to. Something in the Dahlia is very attractive to these pests. A little ammonia sprinkled around is effective in killing them.

DAHLIA. Hh. Large-flowered, double, best quality mixed. Height 5 ft.	Pkt. \$0.15
Cactus. Mixed colors. Height 5 ft.	.15
Pompone. Small bouquet, mixed. Height 4 ft.	.15
Single, Mixed. Height 5 ft.	.10

DELPHINIUM

The perennial larkspur is possibly the finest herbaceous plant in existence, rivaling even the Peony. The plants thrive in any soil and situation, withstand frost and heat and are always the central attraction in the hardy perennial border. The blue forms are superb, while the scarlet, though not quite as hardy as the others, is extremely showy. Sow in autumn and again in spring.



DELPHINIUM CARDINALE (Scarlet Larkspur). Bright scarlet. Height 3 to 5 ft.	Pkt. \$0.10
<i>Germain</i> Burbank's Hybrids. Mixed blues.	.25
Elatum (Bee Larkspur). Mixed. Height 3 ft.	.05
Formosum. Bright blue. Height 4 ft.	.10
Hybridum. Double, extra choice mixed. Height 3 ft.	.15

PERENNIALS (Continued)

DIANTHUS

Belongs to the same family as the Carnation. Pretty and easily grown plants, coming freely from seed and liking a light, sunny position. Sow at any time.

DIANTHUS. Albus (White Diadem Pink). Height 1 ft.	Pkt. \$0.10
Double Mixed. Height 1 ft.	.10
Diadematus (Double Diadem Pink). Height 1 ft.	.10
Eire Ball.	.10
Imperialis (Double Imperial Pink). Mixed. Height 1 ft.	.10
Hedderwigi. Fine mixed. Height 1 ft.	.10
Crimson Bell. Dark crimson. Height 1 ft.	.10
Queen of Holland. White. Height 1 ft.	.10
Nobilis (Royal Pinks). Flowers 3 to 4 inches in diameter, petals frilled and fringed; colors vary from bright blood-red to carmine, pink and white. Height 1 ft.	.10
Hybridus. Double mixed. Height 1 ft.	.10
Laciniatus, Single Mixed. Height 1 ft.	.10
Mixed. All sorts. Height 1 ft.	.10

DIGITALIS

The Foxglove is one of the oldest garden plants and a favorite everywhere. Produces tall, showy spikes of pretty, showy flowers in a great variety of color.

DIGITALIS GLOXINOIDES (Foxglove). Fine mixed. 3 ft.	Pkt. \$0.05
DODECATHÉON MEDIA (American Cowslip). Lilac.	
Fine for rockwork, etc. Height ½ ft.	.10
ERPETION RENIFORME (Viola hederacea; Australian Pansy). A pretty tufted plant with kidney-shaped leaves and blue flowers; rare and curious. Hgt. ½ ft.	.25
ERYTHRINA CRISTA-GALLI (Coral Tree). Dark red. A handsome decorative plant for shrubbery. Hgt. 6 ft.	.15
EVENING PRIMROSE. Yellow. Very showy for mixed borders and shrubbery, etc. Height 3 ft.	.05
FERNs. All species mixed; choicest varieties. ½ to 2 ft.	.15
FORGET-ME-NOT. See <i>Myosotis</i> .	

FRAXINELLA

The Fraxinella or Burning Bush possesses the peculiar property of giving off a volatile oil or gas that ignites and flashes up for a second or so when a lighted match is applied, without injury to plant. A pretty, herbaceous plant, worthy extended culture.

FRAXINELLA (Burning Bush). Red; handsome. The Pkt. seed is slow to germinate. Height 2 ft.	\$0.10
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FREESIA

FREESIA REFRACTA ALBA. B. Well-known bulbous plants, blooming in one year from seed. White. Height ¾ ft.	Pkt. \$0.10
FRENCH HONEYSUCKLE (<i>Hedysarum coronarium</i>). Red and white mixed. Hardy, profuse-blooming. Succeeds well near the seaside. Not to be confounded with the climbing Honeysuckle. Height 3 ft.	.05
FUCHSIA. Hh. Favorite flowering shrubs. Seeds from the finest named varieties.	
Hybrid. Single, finest mixed. Height 3 ft.	.25
Double. Finest mixed. Height 3 ft.	.25



GAILLARDIA GRANDIFLORA

GAILLARDIA (Blanket Flower). B. Showy border plant. Pkt.	
<i>Germain</i> Grandiflora. Splendid mixed. Height 1½ ft.	\$0.10
Maxima. Golden yellow. Height 2 ft.	.10
Lorenziana. Double, mixed colors. Height 1½ ft.	.05
Picta. Red and yellow. Height 1½ ft.	.05
GENTIANA ACAULIS. An alpine plant of great beauty; fine for borders and rock work; intense blue. Height ¼ ft.	.10
GERANIUM. B. Seed saved from best varieties of all kinds	
Apple-scented. Very fragrant. Height 1½ ft.	.15
Ivy-leaved. Trailer. Finest mixed.	.15
Tricolor. Gold and bronze leaves. Height 2 ft.	.25
Zonale, Single. Finest mixed. Height 5 to 6 ft.	.10
Double. Finest mixed. Height 3 ft.	.25
See <i>Pelargonium</i> (page 61) for show varieties.	

GERBERA JAMESONI

(Transvaal Daisy)

The original form of this fine composite was bright red, but we have now almost all colors. Comes rather slowly from seed, but well worth waiting for. Sow at intervals all through the spring and summer.

GERBERA JAMESONI (Transvaal Daisy). The Scarlet Pkt. Daisy of South Africa.	\$0.25
GEUM COCCINEUM (Scarlet Avens). A Chilian plant of great beauty; very useful in mixed borders. Scarlet. Height 2 ft.	.10
GLOXINIA HYBRIDA. T. A beautiful greenhouse perennial bulb. Seed saved from the finest erect and drooping varieties. Finest mixed. Height 1 ft.	.25
GOLDENROD. See <i>Solidago</i> .	
GYP SOPHILA PANICULATA. B. Very graceful, flowering in panicles, and excellent for cut-flowers. White. Height 1½ ft. See also <i>Annuals</i>	.05
HELIOTROPISM (Cherry Pie). Deliciously fragrant, also fine for pot culture. Finest mixed. Height 6 ft.	.10
HEUCHERA. B. Allied to the Saxifragas; very graceful; valuable for cut-flowers.	
Alba. White. Height 1 ft.	.15
Sanguinea. Crimson. Height 1 ft.	.15

PERENNIALS (Continued)

HIBISCUS. Well-known showy perennial shrubs with brilliant flowers.
Coccineus. Scarlet. Height 5 ft. 10
Roseus grandiflorus. Pink. Height 4 ft. 10

HOLLYHOCK

The Hollyhock comes fairly true from seed and will flower the first year if the seed is sown early and transplanted to rich soil. Sow again in the fall and transplant in the spring. One of the few herbaceous plants that are effective in landscape work.



HOLLYHOCK. Favorite hardy perennials. Pkt.
Allegheny. Semi-double, fringed, mixed. Height 5 ft. . . \$0.10
Chater's Superb Double Mixed English. Height 5 ft. . . 10
German Finest Double Crimson. Height 5 ft. 10
 Pink. Height 5 ft. 10
 White. Height 5 ft. 10
 Yellow. Height 5 ft. 10
 Mixed. Height 5 ft. 10
HONESTY. B. Interesting in a dried state, the membranous lining of the seed-pod making a handsome ornament for winter bouquets. Purple. A biennial. Height 1½ ft. 10
HUNNEMANNIA FUMARIAEFOLIA. A showy plant belonging to the Poppy family. Yellow. Height 2 ft . . 10
HYACINTHUS CANDICANS. A bulbous plant, throwing up a spike bearing 20 to 30 yucca-like flowers; pure white and fragrant. Height 3 ft. 10
IPOMOPSIS (Texas Plumes). Showy scarlet and gold pyramidal blossoms and feathery foliage. Fine mixed. Biennial. Height 3 ft. 10
LANTANA. B. White, rose and yellow particolored fragrant flowers, like heliotrope in form. Finest mixed. Height 4 ft. 10
LAVENDER SWEET. Blue; a hardy shrub, well-known and esteemed for its delicious fragrance. Height 3 ft. . 05
LINARIA CYMBALARIA (Kenilworth Ivy). White and purple; very pretty for rock and hanging-baskets; trailer. 10

LOBELIA CARDINALIS

A striking and beautiful herbaceous plant, bearing tall spikes of brilliant scarlet flowers from which it takes its name of Cardinal flower. Likes a heavy soil and plenty of moisture and is a good waterside plant. Pkt.
LOBELIA CARDINALIS (Cardinal Flower). Height 2 ft. \$0.10



HUNNEMANNIA

LUPINUS. B. Mixed, all colors. Height 1 to 4 ft. Pkt. \$0.05
LYCHNIS (Jerusalem Cross). B. Favorite hardy plants for borders and shrubbery.
Chalcedonica. Bright scarlet. Height 2 ft. 10
Haageana Hybrida. Finest mixed. Height 2 ft. 05
MARVEL OF PERU (Four O'clocks). This well-known plant has few rivals for beauty, expanding in the afternoons and continuing open all night. Finest mixed. Height 2 ft. 05
MATRICARIA EXIMIA (Feverfew). B. Double white, very handsome, showy flowers, continuing a long time in bloom. Height 2 ft. 10
MIMULUS. Brilliant perennials, flowering for the first season if sown early; also suitable for pot-culture.
Cardinalis (Scarlet Monkey Flower). Dark red. Height 1½ ft. 10
Tigrinus grandiflorus. Finest mixed, spotted and tigered varieties. Height 1½ ft. 10
MUSK PLANT (Mimulus moschatus). Yellow; a universal favorite. Height ½ ft. 10
MYOSOTIS (Forget-me-not). B. Very beautiful and much prized for spring flowers.
Azorica. Dark blue. Height ½ ft. 10
Alpestris. Light blue. Height ½ ft. 10
Dissitiflora. Brilliant blue, earliest flowering. *Germain* Height ¾ ft. 15
Palustris semperflorens. Bright blue. Height 1 ft. . . 10
NIEREMBERGIA GRACILIS. Silvery lavender. Excellent for hanging-baskets, edgings, etc. Height 1 ft. . . . 10
OENOTHERA LAMARCKIANA. A grand Evening Primrose, with long spikes of yellow flowers. Yellow. Height 4 ft. 05
OXALIS (Shamrock, or Wood Sorrel). Delightful little plants for edging, hanging-baskets and rockwork.
Rosea. Pink. Height ½ ft. 10
Tropaeoloides. Yellow. Height ¾ ft. 10

PANSY or HEARTSEASE

CULTURE—To have Pansies in perfection, sowings should be made every month from the end of July to the end of April. Young, vigorous stock always gives the best results. Sow in pans or frames and transplant when large enough to a border of rich soil. Water must be given freely in bright weather and the flowers gathered as soon as they begin to wilt in order to keep up a succession and prevent running to seed, which injures the plants and tends to small flowers.

GERMAIN'S GIANT PRIZE PANSIES

We are pleased to call your attention to our Superb Giant Prize Pansies and we do not hesitate to recommend our Mixture as containing the finest and largest varieties in the world. Each year we add the latest Giants and so our mixture is unsurpassed in size, in beauty of markings and of colorings. The innumerable varieties of Pansies embracing every color from white to black, maroon, yellow, purple, striped, mottled, wine shades, bronze, sienna and those with the delicate markings as well as those with the bold showy faces are all found in our mixture.

What could be more interesting to any lover of flowers than a bed of Pansies fresh with the morning dew, some clad in their rich velvety petals and others turning their smiling faces upward asking only to be appreciated in their brief effort to make the world a little more beautiful!

GIANT EMPEROR WILLIAM. Very showy. Corn-flower blue.....	Pkt. \$0.25
GIANT KING OF THE BLACKS.	.25
GIANT MADAME PERRET. An exquisite pansy. Every blossom displays the soft red wine shades in varying degree, either faint or intense.....	.25
GIANT GOLDEN YELLOW. Five spotted. Very beautiful.....	.25
GIANT WHITE. With purple eye, extra fine....	.25
GERMAIN'S SUPERB GIANT PRIZE MIXTURE. ..	.25

Germain's Special Collection, 25 cents per package, or the Collection of Six for \$1.00.



GERMAIN'S GIANT PRIZE PANSIES



PANSIES

AZURE BLUE. Height 1/2 ft.....	Pkt. \$0.10
BUGNOT'S SUPERB BLOTCHED. Extra fine. Hgt 1/2 ft.....	.50
CASSIER'S. Very large-flowered, finest mixed. Hgt 1/2 ft.....	.25
COMMON BEDDING MIXTURE.	.05
EMPEROR WILLIAM. Ultramarine blue. Height 1/2 ft.....	.10
ENGLISH MIXED. Extra select, large velvety. Hgt 1/2 ft.....	.15
FAUST, KING THE BLACKS. Coal-black. Hgt 1/2 ft.....	.10
GIANT TRIMARDEAU. Mixed, very large and of vigorous growth. Height 1/2 ft.....	.25
Parisian Large Stained. Large-flowered. Height 1/2 ft.....	.25
GOLD-MARGINED. Brown with gold border. Hgt 1/2 ft.....	.10
GOLDEN YELLOW. Pure. Height 1/2 ft.....	.10
Dark center. Height 1/2 ft.....	.10
LORD BEACONSFIELD. Large, purple-violet shading off to lavender. Height 1/2 ft.....	.10
MADAME PERRET. Wine, pink and red shades. Beautiful veins and white margins.....	.25
MAHOGANY-COLORED. Height 1/2 ft.....	.10
MASTERPIECE. New Giant curled, or ruffled Pansy. Highest perfection in the class.....	.25
ODIER'S FIVE-BLOTCHED. Very fine, with a black blotch on each petal. Height 1/2 ft.....	.25
PEACOCK. Royal purple, shot with peacock-blue. Height 1/2 ft.....	.15
PRESIDENT CARNOT. White, violet blotches. Hgt 1/2 ft.....	.15
SCOTCH PRIZE. Selected prize flowers. Hgt 1/2 ft.....	.50
SNOWFLAKE. Pure white. Height 1/2 ft.....	.10
STRIPED AND VARIEGATED VARIETIES. Hgt 1/2 ft.....	.10
VICTORIA. Blood-red. Height 1/2 ft.....	.15
VIOLET. White-margined. Height 1/2 ft.....	.10
WHITE, with Black Center. Height 1/2 ft.....	.10
FINE MIXED. Height 1/2 ft.....	.10

For fancy plants of all varieties see page 94.

PERENNIALS (Continued)

PETUNIA



SINGLE PETUNIA

CULTURE—The Petunia is a hardy Perennial, producing the most showy flowers in the greatest profusion. For bedding purposes or garden decoration, it is indispensable. It succeeds best in a sunny location. Sow the seed very shallow and keep moist. The Single Petunia is of the easiest culture—seeds itself when once planted and grows in any soil that will sustain plant life.

PETUNIA. Very ornamental, free-flowering plants, Pkt. for bedding in masses or borders.

Single Inimitable. Blotched and striped, very handsome. Height 1 ft. \$0.10

Germain **Giants of California.** Very large ruffled and fringed, extra fine mixed. Height 1 ft. 25

Fringed. Large-flowered, superb mixed. Height 1 ft. 25

White. Height 1 ft. 10

Good Mixed. Height 1 ft. 10

Double Fringed. Superb mixed. Height 1 ft. 50

Extra-Fine, Mixed. Height 1 ft. 25

PELARGONIUM (Lady Washington Geranium). B. Favorite bedding and greenhouse plants, with brilliant flowers. Seeds saved only from the finest sorts. Fancy, best and richest colors mixed. Height 3 ft. 25

Large-flowered. Richest colors, mixed. Height 3 ft 15

PENTSTEMON. B. Fine herbaceous perennials, very showy in mixed borders.

Germain **Hartwegi grandiflorus.** New large-flowered mixed. Height 2 ft. 15

Finest Mixed. Height 2 ft. 50

PHLOX

PHLOX; PERENNIAL. B. A very showy, handsome plant. Finest mixed. Height 2 ft. Pkt. \$0.10

PHYSALIS FRANCHETI (Chinese Lantern Plant). Very ornamental; produces an abundance of large, white flowers, followed by inflated husks, which are first green, afterward changing to a yellowish color, and then to orange-scarlet; in shape like a Chinese lantern. White. Height 2 ft. 15

PICOTEE PINK. B. Splendid Hardy Pinks, beautifully marked on edge of petals. Finest mixed. Height 1½ ft. 15

PINK

PINK, FLORIST'S (Pheasant's Eye Pink). B. Very fine, usually marked with a ring in center, double and fragrant. From fine show varieties, mixed. Height 1 ft. Pkt. \$0.10

POINSETTIA

POINSETTIA PULCHERRIMA (Christmas Flower) Pkt. \$0.25

POLEMONIUM COERULEUM (Jacob's Ladder). An old-fashioned English perennial, used in mixed borders. Blue. Height 2½ ft. 10

POLYANTHUS. Charming early-flowering plants, beautifully laced and edged.

Finest Gold-laced varieties. Height ½ ft. 25

Choice Mixed. Height ½ ft. 10



DOUBLE PETUNIA

PERENNIALS (Continued)

POPPY



POPPY-PERENNIAL HYBRID

- POPPY.** Very showy plants for mixed borders. The Iceland Poppies will bloom the first year from seed if sown early. For other varieties, see list of annuals. Pkt. \$0.25
- Perennial Hybrid Mixed.** Height 4 ft. \$0.25
- Papaver bracteatum.** Scarlet. Height 3 ft. \$0.10
- Oriental.** Dark red. Height 4 ft. \$0.10
- Mixed.** Height 4 ft. \$0.10
- Iceland (Papaver nudicaule).** Yellow. Height 1 1/4 ft. \$0.10
- Orange.** White. Mixed. Height 1 1/4 ft. \$0.10

PRIMROSE

- PRIMROSE.** An old-fashioned garden-favorite. True Pkt. English yellow. Height 1/2 ft. \$0.15

PRIMULA

- PRIMULA SINENSIS.** T. Fine pot-plants for winter and Pkt. spring flowering; for indoor culture. \$0.25
- Fringed.** White. Height 1/2 ft. \$0.25
- Red.** Height 1/2 ft. \$0.25
- Finest Mixed Fringed.** Height 1/2 ft. \$0.25
- Obconica.** T. Light mauve. Height 1/2 ft. \$0.15

PYRETHRUM

- PYRETHRUM CINERARIAEFOLIUM.** The plant from Pkt. which is made the Persian insect powder in Europe, or "Buhach," as made in California. \$0.15
- Roseum hybridum.** Single. Finest mixed. Height 2 ft. \$0.10
- Partheniifolium aureum** (Gold Feather). Height 1 1/2 ft. \$0.10
- Selinoides.** Yellow fern-like foliage, very fine. 1/2 ft. \$0.10
- The second variety is grown for its flowers, the last two are well-known edging plants.
- ROMNEYA CULTERI** (Matillia Poppy). A noble plant. White, with yellow center. Height 6 to 10 ft. \$0.10
- ROSE CAMPION** (Agrostemma coronaria). Crimson flowers; silvery foliage. Height 1 1/2 ft. \$0.05
- ROCKET, SWEET** (Dame's Violet). Valuable for borders, free-blooming and sweet-scented. Fine mixed. Height 1 1/2 ft. \$0.05
- RUDBECKIA BICOLOR SUPERBA SEMIPLENA.** Semi-double flowering. Fine for cutting. Height 2 ft. \$0.10

SALVIA

- SALVIA** (Flowering Sage). B. Brilliant-flowering plants Pkt. for borders, back-grounds and centers of beds. \$0.10
- Bon-fire Dwarf.** Brilliant scarlet flowers. Height 2 1/2 ft. \$0.10
- Patens.** Hh. Sky-blue. Height 2 ft. \$0.15
- Splendens.** Hh. Dazzling scarlet. Height 3 ft. \$0.10

SANTOLINA

- SANTOLINA CHAMALCYPARISSUS** (Lavender Cotton). Pkt. A silvery-leaved plant, useful for edging. Height 2 ft. \$0.10
- SAXIFRAGA** (Mother of Thousands or London Pride). Charming little trailing plants for hanging baskets, vases or rockwork. Fine mixed. Height 1/2 ft. \$0.15
- SENSITIVE PLANT** (Mimosa pudica). An interesting plant with the peculiarity of closing its leaves when touched. Pink. Height 2 ft. \$0.05
- SOLIDAGO CANADENSIS** (Goldenrod). Height 2 to 3 ft. \$0.05
- SOLANUM, WEATHERILL'S HYBRIDS.** Hh. Decorative species for pot culture, bearing orange-colored berries. Mixed. Height 1 ft. \$0.10
- STATICE LATIFOLIA** (Sea Lavender). A favorite hardy perennial with bright blue flowers, very useful for bouquets. Height 1 ft. \$0.10
- STEVIA SERRATA.** B. A valuable plant for florists, producing large heads of small, white fragrant flowers; very graceful and excellent for cutting purposes. White. Height 1 1/2 ft. \$0.10

STOCKS

- STOCKS** (Biennial and Perennial). B. (For Ten-weeks Stocks, see Annuals). All these Stocks are very double, fragrant and handsome. The intermediate varieties are biennials. The last three species are splendid decorative border plants. The true "Gilliflower." Pkt.
- Germain* **Beauty of Nice.** Exquisite flesh-pink. \$0.15
- Brompton.** Flesh-color, bright rose, brick red, crimson, light blue, violet, white and finest mixed. Height 2 ft. 2 1/2 ft. \$0.15
- Cocardeau, or Giant Cape Winter.** Finest mixed. Ht. 2 1/2 ft. \$0.15
- Emperor.** Very fine mixed. Height 2 1/2 ft. \$0.15
- Intermediate East Lothian.** Crimson purple and white. Height 2 ft. \$0.15
- Finest Mixed.** Height 2 ft. \$0.10

SWEET WILLIAM

- SWEET WILLIAM.** B. Well-known and very showy plants for borders; flowering early in the spring. Pkt.
- Hunt's Auricula-flowered Perfection.** Single mixed. Height 1 1/2 ft. \$0.10
- Single.** Pure white. Height 1 1/2 ft. \$0.10
- Finest mixed.** Height 1 1/2 ft. \$0.05
- Double.** Finest mixed. Height 1 1/2 ft. \$0.10
- VALERIANA.** Mixed. Height 2 ft. \$0.05

VERBENA

- VERBENA.** B. A well-known favorite bedding plant. The Lemon Verbena is a shrubby, perennial in our mild climate. Pkt.
- Auricula-flowered Mixed.** With white centers; trailer. \$0.10
- Italian Striped.** Finely striped and mottled; trailer. \$0.10
- Large White.** Trailer. \$0.10
- Lemon-scented** (Aloysia citrodora). Lavender. Height 8 to 10 ft. \$0.15
- Germain* **Mammoth Mixed.** Trailer. \$0.15
- Pink.** Trailer. \$0.10
- Purple.** Trailer. \$0.10
- Scarlet.** Trailer. \$0.10
- Fine Mixed.** Trailer. \$0.05
- VINCA ROSEA** (Madagascar Periwinkle). Red. Height 2 ft. \$0.10
- Alba.** White, with red eye. Height 2 ft. \$0.10
- Mixed.** Height 2 ft. \$0.10

VIOLA

- VIOLA.** B. With the exception of Viola cornuta, these favorites are too well known to need comment. Pkt.
- Cornuta.** Resembles the Pansies, and is admirably adapted for bedding purposes. Mixed. Height 1/2 ft. \$0.10
- Odorata** (Sweet Violet). Height 1/2 ft. \$0.10
- White.** Height 1/2 ft. \$0.10
- Prince of Wales.** Very large. Height 1/2 ft. \$0.10

WALLFLOWER

- WALLFLOWER.** B. Well known fragrant plant. Single Pkt. mixed. Height 2 ft. \$0.05
- Blood-red.** Height 1 ft. \$0.10
- Belvoir Castle.** Dwarf yellow. Height 1/2 ft. \$0.10
- Germain* **Double German Mixed.** Height 2 ft. \$0.15
- Harbinger.** Rich blood-red. Height 1 ft. \$0.10

WIGANDIA

- WIGANDIA CARACASANA.** Plants remarkable for the large size of their leaves; much prized as single specimens for lawns and sub-tropical gardening. Violet. Height 8 to 10 ft. \$0.15

CALIFORNIA NATIVE FLOWER SEEDS

Collections

Souvenir Collection of 15 Choice Varieties of California Native Flower Seeds.....	.50
Eight Beautiful Varieties of California Poppies, in crimson, yellow, white and shaded sorts.....	.50

BRODIAEA

BRODIAEA CAPITATA (Cluster Lily). Pretty, bulbous; Pkt.
flowers early in spring; deep violet to white. Height
¾ to 1 ft..... \$0.10

DELPHINIUM

DELPHINIUM CARDINALE (Scarlet Larkspur). Magnifi- Pkt.
cent perennial; flowers intense bright scarlet. Height
3 to 5 ft..... \$0.10
Parryi (Blue Larkspur). Beautiful annual; flowers
bright blue. Height 2 ft..... .15
DICENTRA CHRYSANTHA (California Bleeding Heart).
Perennial; orange-yellow. Height 3 to 5 ft..... .15
DODECATHEON CLEVELANDI (Shooting Star). Peren-
nial; purple, bordered with yellow. Height ¾ ft..... .15
EMMENANTHE PENDULIFLORA (Whispering Bells).
Bushy annual; small, light yellow, bell-shaped
flowers. Height 1 to 1½ ft..... .15

ESCHSCHOLTZIA (CALIFORNIA POPPY)

ESCHSCHOLTZIA. The well-known California Poppy. Pkt.
The Golden West is a fine variety producing very
large flowers, of a light canary-yellow color, with
an orange blotch at the base of each petal, forming
a maltese cross in the center of the flower.
Californica. Yellow. Height 1 ft..... \$0.05
Crimson Flowering. (Burbank's)..... .10
Golden West. Canary-yellow and orange. Height 1 ft..... .10
Mandarin. Orange and mandarin red. Height 1 ft..... .10
Orange. Height 1 ft..... .05
Double. Height 1 ft..... .10
Rose Cardinal. Height 1 ft..... .10
White. Height 1 ft..... .05
Double. Height 1 ft..... .10
White and Carmine. Height 1 ft..... .10
Fine Mixed. All sorts. Height 1 ft..... .05



CALIFORNIA POPPY (ESCHSCHOLTZIA)

LATHYRUS

LATHYRUS SPLENDENS (Pride of California). Magnifi- Pkt.
cent perennial climbing pea; produces abundant,
large, rich crimson flowers in clusters of ten or more.
Height 6 to 10 ft..... \$0.15
LAYIA CALLIGLOSSA (Tidy Tips). A pretty annual;
flowers yellow tipped with white; petals daisy-like, but
broader, and with serrate tips. Height 6 to 12 inches..... .10
Glandulosa (White Daisy). Annual flowers pure white
and daisy-like, but petals broader and with serrate
tips. Height 6 to 12 inches..... .10

LEPTOSYNE

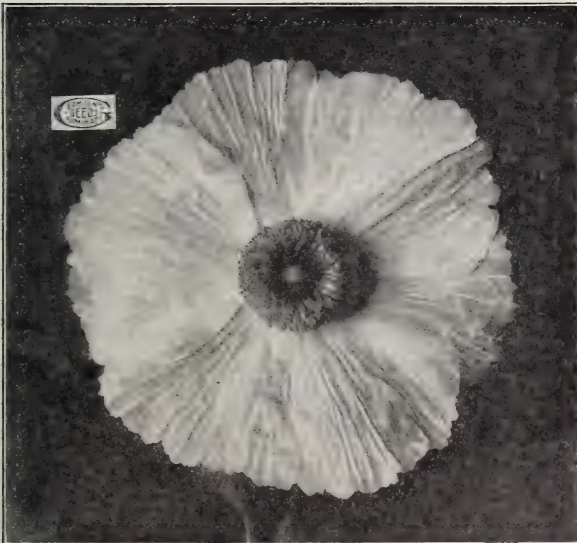
LEPTOSYNE STILLMANI. A pretty annual, with com- Pkt.
pact, bushy, thin-cut leaves; flowers golden yellow,
1½ inches in diameter. Height 1 ft..... \$0.15

NEMOPHILA

NEMOPHILA INSIGNIS (Baby Blue Eyes). Annual; Pkt.
sky-blue flowers. Height 4 to 6 inches..... \$0.05
PHACELIA PARRYI. Annual. Flowers bell-shaped, dark
violet-blue. Height 6 to 12 inches..... .10
PLATYSTEMON CALIFORNICUS (Cream Cups). Annual;
poppy-like. Height 8 to 10 inches..... .05

MATILIA POPPY

ROMNEYA COULTERI (Matilija Poppy). The queen of Pkt.
all our native flowers. Perennial. Flowers pure white
with golden stamens and 6 to 8 inches in diameter;
flowers last well when cut. Height 6 to 10 ft..... \$0.10



ROMNEYA COULTERI

Germain

This Signature

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Denotes Our Recommendation

EVERGREEN TREE AND SHRUB SEEDS

All those varieties quoted at less than 50 cents per ounce we supply at 10 cents per packet. All those quoted at 50 cents and upwards we supply at 15 cents per packet.

ACACIA BAILEYANA. A small, handsome tree with glaucous green foliage. Leaves pinnate; three to four pairs, leaflets about twenty pairs $1\frac{1}{2}$ to $2\frac{1}{2}$ lines long, crowded. Flowers in racemes 3 to 4 inches long, yellow. One of the most beautiful of the Acacias; highly recommended for street planting. Height 25 ft. Ounce 60 cents, pound \$6.00.

Cultriformis (Knife-leaved Acacia). A distinct and beautiful species of upright growth, forming a large shrub, with glaucous green leaves about $\frac{3}{4} \times \frac{1}{4}$ inch in size. When in bloom the plant presents a splendid appearance on the lawn. Height 15 ft. Ounce 50 cents, pound \$5.00.

Dealbata (Silver Wattle). Very ornamental. Height 15 ft. Ounce 40 cents, pound \$4.00.

Decurrens (Green or Black Wattle). A medium-sized tree of rapid growth, very useful for wind-breaks. It is also very rich in tannin. Wood is valuable for fuel, for turner's and cooper's work. Height 30 ft. Ounce 35 cents, pound \$3.50.

Germain **Floribunda.** Ornamental, with very abundant handsome flowers, valuable for lawns, parks, cemeteries, etc. Height 25 ft. Ounce 50 cents, pound \$5.00.

Latifolia. A handsome shade tree, succeeding especially well near the seacoast. Leaves broad; yellow flowers. Native of South Africa. Height 40 ft. Ounce 50 cents, pound \$5.00.

Linifolia (Flax-leaved). An ornamental shrub, with yellow flowers, growing in heads two to four together. Height 8 ft. Packet 15 cents.

Lophantha (Albizia Lophantha: Cape or Crested Wattle). One of the most rapid-growing trees for first temporary shelter, succeeding in the most desolate places. Height 25 ft. Ounce 15 cents, pound \$1.25.

Germain **Melanoxylon** (Blackwood). In sheltered, irrigated glens this tree will reach a height of from 80 to 100 feet, with a trunk several feet in diameter. The timber is very valuable for cabinet-maker's work. Height 80 ft. Ounce 35 cents, pound \$3.50. (See cut page 80.)

Mollissima (Green Wattle). An abundant-blooming small tree, very ornamental; suitable for lawns and shrubbery. Height 25 ft. Ounce 50 cents, pound \$5.00.

Podalyriaefolia. This is a beautiful shrub, and produces the largest and richest yellow flowers of all the acacias. It is especially recommended for cut flowers. Packet 25 cents.

Pycnantha (Golden Wattle). Of rapid growth, doing especially well near the seacoast, and containing a large quantity of tannin. Height 40 ft. Ounce 30 cents, pound \$3.00.

Saligna (Willow-leaved Acacia). Small tree of weeping habit; ornamental. Height 15 to 20 ft. Ounce 40 cents, pound \$4.00.

Verticillata. This is a beautiful bushy spreading shrub growing about 12 feet high with spikes of deep yellow flowers. Fine for lawns or groups. Packet 25 cents.

BORONIA MEGASTIGMA. A beautiful little shrub; flowers copper-color, with strong violet odor. Very rare. Seed germinates slowly. Height 2 ft. Packet 50 cents.

BRACHYCHITON ACERIFOLIUM (Flame Tree). Of fine, sturdy, pyramidal growth, with large, handsome foliage, producing masses of scarlet flowers. Height 25 ft. Ounce 30 cents, pound \$3.00.

BUXUS SEMPERVIRENS (Evergreen Box). Hardy, dwarf habit, 8 ft. Ounce 40 cents, pound \$4.00.

CAMPHORA OFFICINALIS (Camphor Tree). 50 ft. Ounce 25 cents, pound \$2.50.

CASUARINA QUADRIVALVIS (Coast She-Oak). Very valuable for seacoast culture to prevent the inroads of the sea upon sand hills. Of quick growth. Wood valuable for shingles, etc. Height 60 ft. Ounce \$1.00.

Stricta (She-Oak). Is tougher than the other species; excellent wood for tool handles. Height 30 ft. Ounce \$1.00.

Suberosa (Erect She-Oak). A beautiful shade tree. Valuable for fuel. Height 60 ft. Ounce \$1.50.

Torulosa (Forest She-Oak). Wood very valuable for timber; also for fuel, burning to a clear white ash and leaving no cinders. Height 75 ft. Ounce \$1.00.

CEDRUS DEODARA (Himalayan Cedar). A noble evergreen of pyramidal form. 100 ft. Ounce 50 cents, pound \$5.00.

Libani (Cedar of Lebanon). Beautiful for lawn. 80 ft. Ounce 50 cents, pound \$5.00.

CORONILLA GLAUCA. For hedges. Packet 15 cents, ounce 75 cents.

CRYPTOMERIA ELEGANS (Fine-leaved Japan Cedar). Foliage glaucous green. 50 ft. Ounce 50 cents.

Japonica (Japan Cedar). Splendid on lawns. 75 ft. Ounce 30 cents, pound \$3.00.

CUNNINGHAMIA SINENSIS. A lofty evergreen resembling the Araucaria, but more feathery. 100 ft. Ounce \$2.50.

CUPRESSUS GOVENIANA (Goven's Dwarf Cypress). A native variety. Very ornamental. 30 ft. Ounce 40 cents, pound \$4.00.

Arizonica (Blue Cypress). A rapid-growing variety, ornamental for lawns. 50 ft. Ounce 50 cents, pound \$5.00.

Macrocarpa (Monterey Cypress). Useful for hedges, wind-breaks, etc. 50 ft. Ounce 20 cents, pound \$2.00.

Lawsoniana (Lawson's Cypress). A native variety found in northern California and Oregon. Wood white, fragrant and close-grained. Generally known as Oregon or White Cedar. Height 100 ft. Ounce 40 cents, pound \$4.00. (See cut p. 79.)

Sempervirens (Italian Cypress). A European variety, very long-lived, the wood of which is almost imperishable. Height 70 ft. Ounce 30 cents, pound \$3.00.

FICUS AUSTRALIS (Australian Banyan Tree). A fine evergreen tree, very useful for shade and shelter purposes. This and the following variety are hardy in the neighborhood of Los Angeles, but in districts experiencing sharp frosts they should be sheltered until they are four years old and well established. Height 50 ft. Ounce \$1.00.

MACROPHYLLA (Moreton Bay Fig, or Long-leaved Rubber Tree). A magnificent ornamental shade tree, with large, bright, glossy green leaves. Height 100 ft. Ounce \$1.00.

GREVILLEA ROBUSTA (Silky Oak, or Australian Fern Tree). A well-known shade tree, with fern-like foliage and orange flowers; of rapid growth and drought resisting to a remarkable degree. Height 150 ft. Ounce 50 cents, pound \$5.00. (See cut page 81.)

JACARANDA OVALIFOLIA (Brazilian Jacaranda). A handsome tree with fern-like foliage, and magnificent clusters of light blue flowers. Hardy in this vicinity. Height 30 ft. In pods containing from 30 to 40 seeds. Pod 5 cents.

JUNIPERUS VIRGINIANA (Red Cedar). A well-known American tree. Height 50 ft. Ounce 25 cents, pound \$2.50.

HAKEA SALIGNA. A splendid ornamental evergreen shrub-like tree, growing some 12 to 20 feet high, with a broad, dense growth. A sheared Juniper, but of a very bushy habit; of very green light color. Packet 25 cents.

LIBOCEDRUS DECURRENS (California Red Cedar). A very handsome tree, native to the coast range from San Diego to Oregon. Some fine specimens may be seen in Santa Barbara. Height 100 ft. Ounce 40 cents, pound \$4.00.

LIGUSTRUM JAPONICUM (Japan Privet). One of the best hedge plants. Height 12 ft. Ounce 15 cents, pound \$1.50.

MAGNOLIA GRANDIFLORA (Large flowering Magnolia). A native of the southern states where its presence indicates good soil. Height 100 ft. Ounce 35 cents, pound \$3.50. (Seed furnished only during the fall and winter.)

PARKINSONIA ACULEATA. A tree that should receive more attention. A wonderful sight when in bloom and a grand lawn subject any time in the year: will grow without water on our driest hills and dales. Native trees. Packet 25 cents.



ACACIA LOPHANTHA

Germain

This Signature

[64]

Denotes Our Recommendation

EVERGREEN, TREE AND SHRUB SEEDS (Continued)



SEQUOIA GIGANTEA

PINUS CANARIENSIS (Canary Island Pine). Robust and healthy, bright green foliage. Grows nearly as fast as the Monterey Pine. Height 100 ft. Ounce 35 cents, pound \$3.50.

Coulteri Macrocarpa (Big Cone Pine). A fine native tree, of very robust growth, with bluish gray leaves a foot in length. Has the largest cone of all pines, sugar-loaf shaped and edible. Height 100 ft. Ounce 40 cents, pound \$4.00.

Insignis (Monterey Pine). This well-known native variety is of very rapid growth, and succeeds well in any kind of soil. Height 100 ft. Ounce 35 cents, pound \$3.50.

Lambertiana (Sugar Pine). One of our largest native pines, forming a beautiful tree with light brown bark. Height 150 ft. Ounce 35 cents, pound \$3.50.

Maritima (Seaside Pine). Well adapted for planting near the sea. Height 60 ft. Ounce 15 cents, pound \$1.50.

Parryana (Mexican Pinon). A small-growing pine, native of Lower California mountains, growing on the desert side of the range, withstanding considerable drought; a very attractive, fine pine. Ounce 50 cents, pound \$5.00.

Ponderosa (Yellow Pine). A native variety found in the coast range at a high altitude. Specimens have been found 300 feet high and 15 feet in diameter. Bark thick and of red-brown color. Height 250 feet. Ounce 35 cents, pound \$3.00.

Strobus (Weymouth or White Pine). A stately, straight and valuable tree. Height 100 ft. Ounce 40 cents, pound \$4.00.

Sabiniana (Digger Pine). Found in the hot interior foot-hills of Southern California; low-branching habit, light gray, glaucous foliage; seeds edible, are highly esteemed by the Indians and whites, and are known to the natives as Pinions or Digger Pine. Ounce 30 cents, pound \$3.00.

Torreyana. One of the most beautiful of our native Pines. A fine specimen may be seen in cultivation in the Hotel Green grounds at Pasadena. Height 50 ft. Ounce 40c, pound \$4.

PITOSPORUM EUCENIOIDES. A valuable evergreen for lawns, parks or cemeteries; of graceful form; light, bright green foliage. Is suitable for tall garden hedges. From South Australia. Height 20 ft. Ounce 50 cents.

Nigricans. Dark brown. Height 10 ft. Ounce 50 cents.

POLYGALA GRANDIFLORA. A very desirable flowering shrub. Very free-blooming and ornamental. Packet 25 cents.

SCHINUS MOLLE (Mexican Pepper Tree). See cut page 81. A well-known handsome shade-tree, with light feathery foliage and bright scarlet berries. Hgt 50 ft. Oz. 10c pound \$1.

SCIADOPYTIS VERTICILLATA (Japan Umbrella Pine). Curious and remarkable. Leaves are a dark glossy green, crowded into whorls at the joints of horizontal branches. Very ornamental. Height 60 ft. Ounce 75 cents, pound \$7.50.

SOLANUM ERECTUM (S. Betaceum; Guatamala Tree Tomato). A handsome evergreen of good form, and bearing yellow fruit the size of an egg, with a pleasant subacid flavor. Height 8 ft. Packet 25 cents.

SEQUOIA GIGANTEA (California Big Tree). Biggest of trees, and probably the longest-lived. Specimens often found 400 feet high. Height 300 ft. Ounce \$1.00, pound \$12.00.

Sempervirens (California Redwood). Wood reddish, soft, close veined, easily split, light and brittle, but very durable. It luxuriates in the cool dampness of sea fogs. Ornamental for lawns or parks. Height 200 ft. Ounce 50 cents, pound \$5.00.

STERCULIA DIVERSIFOLIA (Brachychiton populneum). A handsome tree of erect, symmetrical growth, with a heavy trunk. The leaves vary much in shape, some poplar-like, others ivy-shaped, others slightly or deeply cut. Without doubt the finest street tree for Southern California and is being very extensively planted. Height 60 ft. Ounce 60 cents, pound \$6.00.

Platanifolia (China Parasol Tree). Very ornamental, with large, plane-like leaves. An excellent tree for avenue or park planting. Height 40 ft. Ounce 30 cents, pound \$3.00.

TELOPEA SPECIOSISSIMA (Waratah, or Australian Tulip). One of the most gorgeous and showy shrubs yet introduced. Flowers crimson-scarlet, in large heads, which are discernible at a great distance. Height 8 ft. Packet 15 cents.

THUJA AUREA (Golden Arborvitae). A dwarf Chinese variety, compact, globular in shape; top foliage yellowish green; for lawns, cemeteries, etc. Ht. 10 ft. Ounce 30 cts, pound \$3.

Germain **Aurea semper-aurea** (Ever Golden Arborvitae). Dwarf habit and free growth. Retains its golden color the year round. One of the prettiest dwarf evergreens. Height 8 ft. Ounce 40 cents, pound \$4.00.

Compacta (Compact Arborvitae). Handsome, compact, globular form. Height 5 ft. Ounce 35 cents, pound \$3.50.

Occidentalis (American Arborvitae or White Cedar). A common and well-known tree, native of the Atlantic states. Height 50 ft. Ounce 30 cents, pound \$3.00.

Orientalis (Chinese Arborvitae). A small, elegant tree, peculiar from its flattened branches, which are dense and light green in color. Valuable for planting on lawns. Height 10 ft. Ounce 25 cents, pound \$2.50.

VIBURNUM TINUS (Laurustinus). Fine winter flowering shrub, blooming abundantly during the winter. Also a valuable hedge plant. Height 8 ft. Ounce 15 cents, pound \$1.50.

DECIDUOUS TREE AND SHRUB SEEDS

All varieties 10 cents per packet.

CALYCANTHUS FLORIDUS (Carolina Allspice). Remarkable for the scent of its flowers, which resembles that of the ripe fruit. Will grow in almost any soil. Flowers brown. Height 4 ft. Ounce 20 cents, pound \$2.00.

CAPPARIS SPINOSA (Caper Tree). A flowering shrub with handsome bluish color flowers. The undeveloped flower-buds are the true capers of commerce. Height 3 ft.

CATALPA SPECIOSA (Indian Bean Tree). A rapid-growing tree, good for timber claims. Flowers white and purple. Height 50 ft. Ounce 25 cents, pound \$3.00.

CERATONIA SILIQUA (St. John's Bread). The Carob or Locust Tree of Scripture, with yellow flowers and edible sacccharine pods. Height 30 ft. Ounce 15 cents, pound \$1.50.

FRAXINUS VELUTINA (Arizona Ash). A variety largely used through the arid West as a shade and street tree, large quantities being planted in Arizona and New Mexico as street trees, which make remarkably quick growth and stand the heat and dryness well. Ounce 35 cents.

GLEDITSCHIA TRIACANTHOS (Three-horned or Honey Locust). Hardy and of rapid growth. Will form an impenetrable hedge. Seeds should be soaked in boiling water before sowing. Height 60 ft. Ounce 10 cents, pound 60 cents.

MACLURA AURANTIACA (Osage Orange). A well-known hedge plant. Height 40 ft. Ounce 10 cents, pound \$1.00.

MELIA AZEDERACH SPECIOSA (Texas Umbrella Tree). Of very rapid growth, with long pinnate leaves and wood of a reddish color, resembling the ash; durable and makes excellent fuel. Thrives in dry soils. Valuable for avenue planting. Height 40 ft. Ounce 10 cents, pound 75 cents.

PAULOWNIA IMPERIALIS (Empress Tree). Very rapid-growing forms a broad flat head. Flowers violet, trumpet-shaped and fragrant. Height 30 ft. Ounce 30 cents, pound \$3.00.

PRUNUS SEROTINA (Wild Black Cherry). A fine ornamental tree having the appearance of the wild plum of California. Very hardy, fine lawn subject. Ounce 20 cts., pound \$2.

ROBINIA PSEUDACACIA (Yellow or Black Locust). Well known in this section; valuable for fuel and timber. Fine tree with which to plant timber claims. Height 60 ft. Ounce 10 cents, pound 75 cents.

SYRINGA VULGARIS (Purple Lilac). The common variety. One of the best; flowers and young foliage fragrant. Height 15 ft. Ounce 25 cents, pound \$2.50. (See cut page 78.)

Vulgaris alba (White Lilac). One of the best white varieties. Height 15 ft. Ounce 25 cents, pound \$2.50.

VIBURNUM OPULUS (Snowball, or Guelder Rose). An interesting shrub, with compact heads of snowy-white flowers. Height 15 ft. Ounce 20 cents, pound \$2.00.

EUCALYPTUS TREE SEED (Continued)

EUCALYPTUS CREBRA (Narrow-leaved Iron-bark). Wood reddish, heavy, elastic and durable, is ant and teredo proof. Useful for railroad ties, bridges and piles. Height 100 ft. Per ounce \$1.00.

Diversicolor (Karri Gum). From Southwest Australia. A tree of remarkable beauty, perfect shape, rapid growth, and one of the very best for street planting. Furnishes good timber for building, masts, shafts, spikes, fence rails, etc. Not recommended for dry localities or places. Height 300 ft. Ounce \$2.00, pound \$16.00.

Ficifolia (Scarlet flowering Gum). The most ornamental of the family. Flowers bright crimson, produced well above the foliage. One of the most effective trees in cultivation. Height 20 ft. Per 25 seeds 25 cents, 100 seeds 85 cents.

Globulus (Tasmanian Blue Gum). Well known; one of the most useful of all, and a very rapid grower. Planted largely in warm countries on account of its malaria destroying qualities. Remarkably good for fuel, being easily sawn and split. Also being extensively planted for timber having been used for piles in wharves on the Pacific Coast with very satisfactory results. Height 150 ft. Per ounce 50 cents, pound \$5.00.

Gonicalyx (New South Wales Blue Gum). Wood very durable, hard and tough. Much used by wheelwrights. A rapid grower. Height 200 ft. Per ounce \$1.00.

Gunnii (Tasmanian Cider Tree). Probably the hardest of the genus. Will stand a considerable amount of frost. Recommended for all elevated and exposed positions. Good for fuel. Height 80 ft. Per ounce \$1.00, pound \$10.00.

Haemastoma (White Gum). Good for fencing and rough building material; also makes a fair fuel. It thrives near the sea coast on sandy soil, but is not suited to the dry interior. Height 150 ft. Per ounce \$1.00, pound \$12.00.

Hemiphloia (Common Box). Wood very hard, strong and durable. It thrives at and near the coast, on the foothills and in the dry, hot valleys of the interior. It furnishes a timber not easily split and is used for wheelwrights, handles and various implements; also makes a first-class fuel. Height 100 ft. Per ounce 75 cents.

Leucoxylon (Victorian Ironbark). Hard, strong, excels hickory in strength. Recommended for underground work in mines, for railroad ties, bridges, etc. Height 100 ft. Per ounce \$1.

Longifolia (Woolly Butt). A large tree, of great girth, growing well in any soil. Timber is durable and makes excellent fuel. The leaves yield a volatile oil and the profuse bloom furnishes nectar for bees. Height 200 ft. Per ounce 75 cents.

Maculata (Spotted Gum). Wood as strong as English Oak. Extensively employed in shipbuilding and wheelwrights' work. Height 100 ft. Per ounce \$1.00.

Meliiodora (Yellow Box). Of spreading growth, with a comparatively stout stem, makes good fuel. The young trees are largely used for telegraph poles, and the flowers are much sought by bees. One of the strongest and most durable timbers in the world. Height 120 ft. Per ounce \$1.25.

Obliqua (Stringy Bark). A quick grower at or near the coast and some distance inland, but does not thrive in the hot interior. Best wood for flooring, scantling and shingles; used in the manufacture of paper. Inferior as fuel, but makes the best charcoal for the forge. Height 300 ft. Per ounce 75 cents.

Obtusifolia (Yellow Black Butt). A rapid growing variety, very good fuel. Also used for staves, coopers' and wheelwrights' work. Height 120 ft. Per ounce 75 cents.

Paniculata (White Ironbark). Wood hard and durable, excellent for railroad ties or for fencing. It splits well and is lasting underground. Height 100 ft. Per ounce 75 cents.

Pilularis (Black Butt). Of rapid growth. One of the best timber-yielding species, used for flooring boards, railroad ties and telegraph poles. Height 300 ft. Per ounce \$1.00.

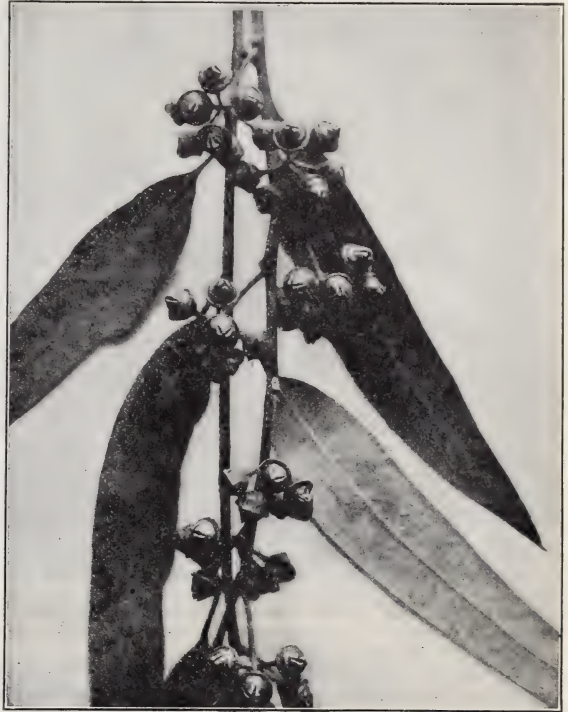
Piperita (Peppermint Gum). Valuable for shingles, fence rails, etc. Yields a great quantity of oil, and is of remarkably quick growth. Height 300 ft. Per ounce \$1.00, pound \$10.00.

Polyanthema (Australian Beech or Red Box). Used for underground work. An excellent fuel. Flowers good for bees. Thrives in temperate and cold climates; succeeds in dry, hilly country. Height 150 ft. Per ounce 75 cents, pound \$9.

Regnans (Royal Mountain Ash). A very scarce variety, growing to a large size, and very hardy. Grows on the hill slopes of the Australian Alps, near the snow line. Timber durable and excellent for fuel. Height 200 ft. Per ounce \$1.25.

Resinifera (Forest Mahogany). A superior timber of large size, prized for its strength and durability. Suitable for tropical likewise cool climates near the coast. Fine for interior house work. Height 100 ft. Per ounce \$1.00.

Robusta (Swamp Mahogany). Thrives best on low grounds, especially near the sea coast. A remarkably healthy, robust variety. Height 100 ft. Per ounce 75 cents, pound \$8.00.



E. ROSTRATA

EUCALYPTUS ROSTRATA (Red Gum). Well known and highly esteemed in this section. Unsurpassed for durability, and is used for railroad ties, street pavements, shipbuilding, cabinet work, etc. Height 200 ft. Ounce 50 cents, pound \$5.

Rudis (Desert Gum). Valuable for arid regions, withstanding heat, cold and winds; unsurpassed by any other variety. Height 100 ft. Per ounce \$1.00, pound \$10.00.

Saligna (Weeping Gum). Very ornamental. Leaves and general habit are like the "Babylonian Willow." Prefers alluvial soil. Good for fuel. Height 75 ft. Per ounce \$1.00.

Siderophloia (Dark or Broad-leaved Ironbark). Wood very hard, light colored and heavy, of great strength and durability, and is used for railroad ties, spokes, shingles, bridges, jetties, etc. It is stronger than hickory. Also used for fuel. Height 150 ft. Per ounce \$1.00.

Sieberiana (Virgata) (Mountain Ash). Wood of excellent quality, strong and elastic, and may be used for all purposes where hickory or ash are at present used. Also a most excellent fuel. Grows on mountain tops and stony ridges. Height 150 ft. Per ounce \$1.00, pound \$12.00.

Stuartiana (Apple-scented Gum). A medium-sized tree with drooping branches. Will thrive on any soil. Wood very dark and handsome and takes a good polish. Useful for cabinet work; also good for fuel. Height 100 ft. Per ounce \$1.00.

Tereticornis (Gray Gum). A very handsome, large growing variety. Wood durable and useful for shingles, flooring, etc. Also an excellent fuel. It grows near the coast. It is similar to E. rostrata, but makes a straighter trunk. Height 200 ft. Per ounce 75 cents, pound \$9.00.

Viminalis (Manna Gum). A hardy, rapid-growing variety, and well suited for exposed situations. On rich soils it grows to a gigantic size. It is mostly planted for forest cover, wind breaks and for shingles and rough building material; also used for fuel. The young bark and leaves yield the Australian Manna—a hard, opaque, sweet substance. Height 300 ft. Per ounce 75 cents, pound \$7.50.

PALM SEEDS



PHOENIX CANARIENSIS

Palms are among the finest and handsomest of all plants. In a young state they do not show their distinctive characters.

ARECA. A genus of elegant pinnate-leaved Palms, which are widely distributed over the earth.

Lutescens (*Chrysalinocarpus*). An extremely beautiful plant with arching pinnate leaves; will not stand frost. A native of the Mascarene Islands; 10 seeds 25 cents, 100 seeds \$2.00.

CHAMAEROPS. The various species of Chamaerops are found scattered through southern Asia, northern Africa, semitropical North America and the South of Europe. Leaves fan-shaped; fruit a one-seeded berry.

Canariensis. A handsome palm worthy of cultivation, either for lawn or for pot culture; 10 seeds 15 cents, 100 seeds \$1.00.

Germain **Excelsa** (Hardy Fan Palm). This palm grows to the height of from 20 to 30 ft.; leaves fan-shaped; trunk enclosed by a dense mass of rough fibers. Native of the East Indies. Ounce 15 cents, pound \$1.50.

Humilis (Dwarf Fan Palm). An extremely handsome plant. Very fine and well worthy of cultivation. Native of southern Europe. Ounce 20 cents, pound \$2.00.

ERYTHEA ARMATA (*Brahea glauca*) Blue Palm. Elegant Fan Palm, from the islands of Lower California. Leaves glaucous blue. Hardy; 10 seeds 25 cents, 100 seeds \$2.00.

Edulis (*Brahea edulis*). A rapid-growing variety from the Guadalupe Islands. Fan-shaped leaves, bright green. Hardy; 10 seeds 15 cents, 100 seeds \$1.00.

PHOENIX CANARIENSIS. An elegant, hardy variety of the Date Palm, much used around Los Angeles on lawns. Handsome and durable; 10 seeds 10 cents, 100 seeds 50 cts.

Dactylifera. The Date Palm; is an erect, handsome palm. Native of northern Africa and tropical Asia, where the palm attains a height of 80 ft. Lives to a great age, and yields the date fruit of commerce. Hardy; ounce 20 cents, pound \$1.50.

Reclinata. A very fine, large-growing species; leaves pinnate. Largely used in Nice, Cannes, and in the south of France for avenues; will stand severe frosts. A native of the Cape of Good Hope. Hardy; 10 seeds 15 cents, 100 seeds \$1.00.

Rupicola. This is one of the most exquisitely graceful palms, and in elegance takes a similar place to that of *Cocos Weddelliana*. It is of acaulescent habit, with wide-spreading, arching, pinnate leaves; a most valuable acquisition. Native of East Indies. Hardy; 10 seeds 20 cents, 100 seeds \$2.00.

Tenuis. This is a very hardy, elegant and desirable variety of Date Palm, with long, bright sea-green leaves; much used for lawn planting; 10 seeds 15 cents, 100 seeds \$1.00.

SEAFORTHIA ELEGANS. One of the most elegant of the palm family, and one of the finest subjects in cultivation for the conservatory, greenhouse or subtropical garden. Height 20 ft. Leaves from 2 to 10 feet in length; dark green. It stands quite a low temperature. Native of New South Wales; 10 seeds 15 cents, 100 seeds \$1.00.

WASHINGTONIA FILIFERA. The well-known California Fan Palm, also known as *Pritchardia filamentosa* and *Brahea filamentosa*; very hardy. Ounce 10 cents, pound \$1.00.

Germain **Robusta.** A robust Fan Palm, similar to *W. filifera*, but with smoother and darker green leaves without threads. Ounce 25 cents, pound \$2.50.

DECORATIVE PLANT SEEDS

AGAVE. Six fine varieties, viz., American fol. var. *Densiflora*, *Deserti*, *Heteracantha*, *Univittata* and *Verchaffeltii*. Each, packet 15 cents. The collection of six varieties for 75 cents.

DRACAENA AUSTRALIS (*Cordylina indivisa*). Palm-like tree growing to a considerable height; stem is stout; leaves 2 to 3 feet in length, oblong, lanceolate, bright green; splendid for avenues. New Zealand. Packet 15 cts., ounce 75 cts.

Draco. Yields the dragon's blood resin of commerce. The stem of this species is stout at the base; leaves closely set, 18 inches in length and 2 broad; thick, fleshy dark green. Canary Islands. 10 seeds 10c, 100 seeds 75c, 1,000 seeds \$5.00.

Indivisa (*Cordylina indivisa*). Sometimes called *Dracaena stricta*. A most graceful palm-like tree, suitable for decoration. New Zealand. Ounce 35 cents, pound \$3.50.

MUSA ENSETTE (*Abyssinian Banana*). Native of Abyssinia. This magnificent plant attains a height of 30 feet, the leaves occasionally reaching a size of 20 feet in length by 3 in breadth. Produces no suckers and requires several years to come into flower; dies off like the Sago Palm, the *Carvota* Palm, and others which flower but once. 10 seeds 15 cents, 100 seeds \$1.00.

YUCCA. Six fine varieties, viz., *Aloefolia* fol. var., *Augustifolia*, *Filamentosa* *Quadriflor*, *Tricolor* and *Whipplei*. Each, packet 15 cents, the collection of six varieties for 75 cents.

Quadriflor. A large and magnificent kind. The upper surface creamy yellow, in the center tinged with crimson and orange-yellow. Mexico; hardy; 100 seeds 25c, 1,000 seeds \$2.

FRUIT TREE SEEDS

APPLE, PEAR and QUINCE. The seeds may be planted any time during the winter or early spring. Soak the seeds in tepid water for three days, change the water daily or soak in cold water for eight or nine days. Sow in drills 2 feet apart.

AHUACATE or ALLIGATOR Pear, none for sale; quarantined.

ALMOND, HARD-SHELLED (*Prunus amygdalus communis*). Pound 25 cents, 100 pounds, market price.

APPLE (*Pyrus Malus*). Useful for grafting. Ounce 15c, pound \$1.

APPLE, FRENCH CRAB. Superior stock. Ounce 15c, pound \$1.50.

APRICOT (*Prunus Armeniaca*). Price on application.

CHERRY, PLUM, PEACH, ALMOND, etc. Follow the cultural directions for the walnut. When young plants appear above ground, plant in nursery rows 3 feet apart.

CHERRY MEHELEB (*Cerasus communis*). Ounce 10c pound 75c.

LOQUAT (*Eriobotrya Japonica*). Seed supplied in season. Procureable only in spring. Ounce 10 cents, pound 60 cents.

ORANGE SEED FRESH. See page 71.

PEACH SEEDING (*Prunus amygdalus Persica*). Price on application.

PEAR (*Pyrus communis*). Ounce 25 cents, pound \$2.50.

PLUM, MYROBOLAN (*Prunus communis*). A splendid stock to graft on. Ounce 10 cts, pound 75 cents.

QUINCE (*Cydonia communis*). Quinces occasionally vary from the seed variety. The stock is much used for budding and grafting the pear. Ounce 25 cents, pound \$2.50.

ROSELLE. The plants grow from 3 to 6 feet high and bear an abundance of handsome flowers, followed by fruit enclosed in a thick, fleshy calyx from which is made an excellent jelly resembling, but an improvement upon that made by the black currant; 10 cents a packet, 50 cents per ounce.

WALNUT. Plant in beds, during the winter or spring, covering about 1 inch deep, and kept moist, but not until they germinate, which will be in about three or four weeks, according to the temperature. As soon as they crack and show the sprout transplant to the nursery rows, 4 1/2 to 5 feet apart and 6 inches apart in the row. They will grow the first year without irrigation. 6 to 12 inches, and with irrigation 8 inches to 4 feet; the second year, from 4 to 8 feet, with irrigation. If ordered by mail, add 10 cents per pound to cover postage. Prices subject to fluctuation. Quotations for large quantities will be given on application.

WALNUT, SOFT SHELLED (*Juglans regia*). A superior variety. Pound 30 cents, 100 pounds on application. Postage 10 cents.

WALNUT (*Black California*). Black Walnut is the most desirable stock for grafting the English variety. Price 15 cents per pound. Special quotation by the hundred or in large quantities.

SMALL FRUIT SEEDS

CURRENT, BLACK. Pkt. 10 cents, oz. 50 cents.

Red. Pkt. 10 cents, oz. 40 cents.

Large Mixed. Pkt. 10 cents, oz. 40 cents.

GOOSEBERRY. Large English Mixed. Pkt. 10 cts., oz. 75 cts.

GUAVA, STRAWBERRY (*Fsidium Cattleyanum*). Sow in boxes and transplant when 2 inches high to pots. Pkt. 10 cents, oz. 30 cents, pound \$3.00.

GUAVA, PINEAPPLE (*Feijoa Sellowiana*). A highly perfumed fruit about 1 1/2 inches in length. Blossoms in May and fruits in November. A delicious pineapple flavor, lacking the acid. Fine for jelly or jam. Sow in boxes and transplant. Seed ready in December. Price per packet 25 cents.

RASPBERRY, FINEST SORTS MIXED. Pkt. 10 cts., oz. 40 cts.

STRAWBERRY, LARGE MIXED. Pkt. 10 cents, oz. 75 cents.

Red Alpine. European wild strawberry. Pkt. 10 cts, oz. 75 cts.



VIEW IN ONE OF OUR GREENHOUSES

NURSERY DEPARTMENT

Our main tree and plant salesyard is situated in the center of the square formed by Third, Fourth, Main and Los Angeles Streets. Entrance to yard through our seed store at 326-328-330 So. Main Street. Branch sales yard at the S. E. corner of N. Main and Johnson Sts. (address all communications to 326-328-330 So. Main Street). We cordially invite customers to inspect our stock. All Nursery Stock shipped by us is accompanied by a certificate of health, issued and signed by an Inspector of the Horticultural Commission. This insures shipments to consist of nothing but healthy stock, free and clear of all scale, insect pests, etc. Orders for Winter and Spring shipments should be placed as early as possible. Three-fourths of the nursery business is done at that time of the year, and when our busy season starts, we are rushed with orders. All orders are filled in rotation as received.

GARDENERS RECOMMENDED. We are pleased to recommend suitable men as gardeners on application, without any expense whatever. Gardeners desiring situations are advised to communicate with us, giving full particulars and recommendations. Their names will be entered on our books, and they will be advised as soon as a suitable vacancy occurs.

GUARANTEE. We do not guarantee stock to live, nor will we replace free of cost that which dies or fails to grow; nor can we, in view of the various incidents that the stock is subject to, as the success or failure depends largely upon climatic conditions, manner of planting, after care, etc. We do guarantee, however, that our stock will be in a good, live and healthy condition upon departure from our nurseries.

SUBSTITUTION. Where particular varieties are ordered and particular ages and sizes of trees, kinds of stock, etc., it should be stated whether and to what extent substitution will be allowed in case the order cannot be filled to the letter. Where no instructions in this respect accompany the order, we shall feel at liberty to substitute other varieties as nearly similar as possible. If the selection of varieties is left entirely to us, we shall endeavor to send only such sorts as are acknowledged to give general satisfaction.

AS USUAL, five of any one certain variety, will be furnished at 10 rates; 50 at 100 rates; 500 at 1,000 rates.

CLAIMS. Should any errors occur we desire to be informed upon receipt of goods, that we may rectify them without delay. All claims must be filed within ten days after the arrival of shipments. No plants sent C. O. D. unless one-half of the amount is sent with the order.

GENERAL SPECIAL. Express shipments of Nursery Stock travel under what is known as the "General Special" Rate, which is 20 per cent less than the first-class rate. We would advise having small shipments go by express, for while the cost is somewhat more than by freight, the difference is often more than made up by the prompt delivery and careful handling. Small packages, under 20 pounds in weight may be sent by mail or express (if prepaid) at 8 cents per pound, which usually averages 20 per cent of the purchase price.

CAUTION. Be careful in unpacking to note everything, and either plant, or cover up with moist soil at once. Moisture the roots, and do not allow them to become dry.

TREATMENT BEFORE PLANTING. Before planting, prune off all broken and extra long roots. Peach, Plum, Apricots, etc., should have side limbs and top cut back to at least half the length.

PLANTING. Dig holes large enough to allow the roots of the tree to spread out in their natural position, carefully placing the finest and best soil from the surface in among the roots; when the soil is nearly filled in, thoroughly settle the earth by filling the hole with water; after it settles, fill in the remainder of earth. In most soils, the use of water to settle the earth is much better than treading the soil with the foot.

AFTER CULTURE. The ground should be kept loose and free from weeds. It is advantageous in a dry climate, like ours, to throw around the tree, for a distance of two or three feet each way, a mulch of rough manure or litter. It prevents the ground from drying out and baking.

PACKING CHARGES. We make no charges for packing on retail orders, except on long distance shipments, or when plants or trees have to be specially packed. In such cases, we charge for the actual cost only.

Owing to the fact that all shipments made by freight are required to be packed in square top cases in order to retain a lower rate and that they may be more conveniently handled and loaded for transit, we are obliged to charge extra for the packing of goods, which charge will range according to size of box, from 25 cents to \$2.50.

The rates would be double on all freight shipments by the old method of pyramid top, hence, we recommend for small orders, that shipments be made by express, where possible, as rates are cheaper.

PLANT AND SEED ORDERS should be kept separate, as during our rush season we may run short of some varieties of plants or trees and this sometimes causes a slight delay in receiving consignments from our various growing grounds. The rush of business is terrific during the winter and spring in the Nursery Department and orders cannot always be shipped at once. With our present facilities we hope to have but few delays in filling orders, but in cases where the nursery stock cannot be shipped at once, the seed orders will be shipped at once, and balance of order to follow when ready.

VEGETABLE PLANTS AND ROOTS

Postage—When ordered to be sent by mail, remit, in addition to price: for asparagus roots, 50 cents per 100; cabbage, cauliflower, sweet potato, tomato plants, pepper and horseradish roots, 5 cents per dozen, 35 cents per 100; rhubarb roots 5 cents each; eggplants, 15 cents per dozen; hopvine roots, 2 cents each; chives, 3 cents per clump.



Vegetable Plants Growing at our Trial Grounds

ARTICHOKE

LARGE GREEN GLOBE. The favorite garden variety. French stock, 25 cents each, \$2.50 per doz.

ASPARAGUS

CONOVER'S COLOSSAL. A mammoth variety of vigorous growth, sending up from fifteen to twenty sprouts. One and two years old roots; 25c per doz., \$1.50 per 100, \$10.00 per 1000.

PALMETTO. A standard among the asparagus shippers of California. This strain grows to mammoth proportions, and very even in size, which makes it especially popular with shippers. The shoots are a light green, slightly tinted with pink, and tender to unusual length. Two year old roots 25c per doz., \$2.50 per 100 and \$10 per 1000.

CABBAGE

EARLY WINNINGSTADT AND PREMIUM FLAT DUTCH; 10c per dozen, 50c per 100, \$4.00 per 1000.

RED DRUMHEAD. Large and very solid heads, used for pickling, color, deep red; 15c per doz., \$2 per 100, \$5 per 1000.

CAULIFLOWER PLANTS. Snowball—the best variety of Cauliflower; 15c per doz., \$1.00 per 100, \$6.00 per 1000.

CELERY

GOLDEN SELF-BLANCHING. California stock, similar to the French stock; 25 cents per doz., \$2.50 per 100, \$8.00 per 1000.

WHITE PLUME. Unsurpassed for fall and winter use, requiring little earthing up for blanching; 25 cents per doz., \$2.50 per 100, \$8.00 per 1000.

CHIVES, OR SCHNITTLAUCH. For flavoring soups, salads, etc.; 15c per clump, \$1.50 per doz.

EGGPLANTS. New York Improved large, round, purple; grown in pots, 75c per doz.

PEPPER PLANTS. Chili, Large Bell or Bull Nose, Sweet Mountain, etc.; 20c per doz. \$1.25 per 100.

HERBS

SWEET LAVENDER, 35 cents each, in 1 gal. cans.

ROSEMARY, 35 cents each, in 1 gal. cans.

SAGE, 15 cents each, \$1.50 per doz.

THYME. Broad-leaved, 15 cents and 25 cents each.

CATNIP, 15 cents each.

HOP VINE ROOTS. 5c each, 60c per doz., \$3.50 per 100.

HORSERADISH SETS. Thrive best in low, damp land. Plant in rows two feet apart, and in the rows eighteen inches apart; 15c per doz., \$1.00 per 100.

KALE, OR BORECOLE

JERSEY, OR TREE KALE. Of vigorous growth, grown for chickens and stock only. 25 cents per dozen.

THOUSAND-HEADED KALE. Fine for stock and chickens; 25 cents per doz.

MINT (Spearmint). Fine young plants from three inch pots; 15c each, \$1.50 per doz.

PARSLEY

CHAMPION MOSS-CURLED. Vigorous compact-growing variety; leaves fine and crisp, resembling moss; a most popular sort for the market and home garden; 25 cents per doz.

RHUBARB

BURBANK'S WINTER CRIMSON RHUBARB ROOTS. Introduced by Luther Burbank in 1900 and has proved the greatest production of all vegetables, as it matures during the winter when vegetables are scarce. The Winter Crimson will produce marketable stalks six months earlier than any other sort. It starts to grow in October, and produces all through winter and spring until the summer varieties are on the market. Up to the present time the home trade has not been fully supplied. Price 10c, 15c and 25c each or \$1.00, \$1.50 and \$2.50 per doz.

Monarch and Victoria. Summer variety, large stalks; 15c and 25c ea., \$1.50 and \$2.50 per doz.

Strawberry Improved or Lorenzo. Being adapted to coast sections and grown extensively in Southern California. Size, medium; tender. Pale crimson color. Delicious flavor; 15c and 25c ea., \$1.50 and \$2.50 per doz.

Wagner's Giant Crimson Winter (New). Introduced by J. B. Wagner. A hybrid, being a cross on the common Winter Crimson and the Australian Crimson, thereby producing a true winter variety of enormous size, stems often weighing one and a quarter pounds, being about twice the size and containing all the good qualities of Burbank's Crimson Winter, but not so red in color. Average length of stem is about two feet. Is at its best from October to May. Price for root divisions 75c ea., \$7.50 per doz., \$50.00 per 100.

Wagner's Giant Seedling. Grown from seed of the Giant Crimson Winter. Produces stems of various sizes and lengths. However, larger than the common Winter Crimson; 25c and 35c ea., or \$2.50 and \$3.50 per doz.

SWEET POTATO PLANTS. Yellow Nansemond and Large White, 50c per 100, \$4.00 per 1000. Ready in March.

TOMATO

BEEFSTEAK, EARLIANA, PONDEROSA. 15 cents per doz., \$1.00 per 100, \$7.00 per 1000.

DWARF CHAMPION. An early and distinct variety, medium in size; plant of dwarf and compact growth;

GERMAIN'S WINTER QUEEN. (see inside front cover). 20 cents per dozen; \$1.50 per 100; \$8.50 per 1000.

NEW STONE. (see page 29). 20 cents per dozen; \$1.50 per 100; \$8.50 per 1000.

YELLOW PLUM. Fruit plum-shaped, of clear, deep yellow color; 15 cents per doz., \$1.00 per 100, \$7.00 per 1000.

YELLOW PEAR. A small, early variety, excellent for preserves; 15 cents per doz., \$1.00 per 100, \$7.00 per 1000.



WAGNER'S GIANT RHUBARB AND ROOT

CITRUS FRUIT TREES

California is justly famous the world over for her fruits. The ideal climate, soil and long growing season, give us the best, strongest, healthiest and most perfect young trees that grow. More especially does this apply to citrus fruit trees of all kinds. Germain's reputation as a house of quality, first, last and all the time is your strongest guarantee that your orders will be filled with only the best grade of stock. The young trees have a ball of earth around the roots and weigh approximately thirty-five to forty pounds each. For long distance shipments via express, if a customer so specifies in order, we will remove the dirt from the roots, strip the tree of foliage, and pack the root in moss. This method cuts down the weight to a minimum. Care should be taken not to expose the roots to the air longer than necessary. Citrus trees, being evergreen, can be shipped and planted at any season of the year.

ADVANCE CONTRACTS ON CITRUS FRUIT STOCK

We are now contracting on Orange Lemon, Lime and Grape Fruit, also Sweet and Sour seed bed stock for spring delivery. All these are grown in our own nurseries under our own supervision and we can therefore assure the purchaser of clean, strong, healthy, thrifty stock. We are in a position to sell you any quantity and we request that you allow us to quote on and show you our stock.



YOUNG CALIFORNIA ORANGE GROVE

ORANGE SEED BED STOCK

Germain's is headquarters for and the largest grower of orange seed bed stock (seedling orange trees), both sour and sweet stock, in California. As climatic conditions are so vital in the growing of young citrus trees, we cannot possibly name a fixed price for this stock. We will be pleased to quote at any time and on any quantity for spring delivery. Our stock is the best, cleanest and truest stock that can be bought. Let us quote you.

ORANGES

KUMQUOT (The Kin-Kan of Japan), meaning Gold Orange.

Fruit very small, olive-shaped, the rind is orange yellow and has a pleasant aroma; used by the orientals for preserving. The tree is dwarf and ornamental. May to July; \$2.50 each.

TANGERINE (Dancer's). The standard variety, ripens at the same time as the navel; pulp is sweet and separates freely from the rind. Best of the Mandarin family. March; \$2.50 each.

VALENCIA LATE. A late and prolific bearer, fruit medium size, oval, solid and heavy; flesh exceedingly juicy and sweet. The other of the two most profitable and world famous oranges. Fruit medium size, very few seeds, sub-acid flavor; ripens late and keeps well on the tree throughout the summer. Season from June to September. The best late orange; \$1.50 and \$2.00.

WASHINGTON NAVEL. One of the two most profitable oranges grown. World famous. Derives its name from the formation on the blossom end. A regular bearer of large, luscious fruit of the most delicious flavor. Fine shipper, ripens early. Season from November to May. The best early orange; \$1.50 and \$2.00.

ORANGE SEED

SOOR ORANGE SEED. Germain's has, for years, been California's largest importer and headquarters for sour orange seed. Our stock is the best money can buy, being selected by experts from the best stock grown in Cuba and Florida. The demand is always greater than the supply, and we cannot, therefore, urge you too strongly to place your order at the earliest possible moment. Prices are subject to market fluctuations. Write us immediately for quotations and further information.

SWEET ORANGE SEED. We can supply quantities lots of the best sweet orange seed. Write us for quotations.

LEMONS

EUREKA. The celebrated California Lemon and the favorite shipping commercial variety. Undoubtedly the best of all Lemons. Medium size fruit, having few seeds; heavy, juicy and well flavored. A good keeper, tree thornless and a most prolific bearer. The variety most largely grown in California. \$1.50 and \$2.00 each.

SEEDLESS EUREKA. Stands more frost than the old standard Eureka and is absolutely free of seeds. This stock went through the heaviest frost California ever had and are very thrifty growers and produce a third more than the ordinary Eureka. Price: $\frac{1}{2}$ inch to $\frac{3}{4}$ inch caliper, \$2.00; $\frac{3}{4}$ inch to $\frac{1}{2}$ inch, \$2.50 each.

LIMES



Bearss Seedless Limes.

BEARSS SEED-LESS LIME.—

The best lime grown. Large, being about the size of ordinary lemons. More juicy and thinner skin than any Mexican variety. Perfectly seedless. Only a limited supply of nice straight two year old trees, at \$2.50 each.

POMELO or GRAPE FRUIT

MARSH'S SEEDLESS. The best and most popular variety of the Pomelo. Seedless and sweet; can be eaten without sugar when fully matured. Medium size, rind thin, flesh dark and rich; an early and prolific bearer and a late keeper. \$1.50 and \$2.00 each.

TROPICAL FRUIT TREES

AHUACATE

Avocado, Alligator Pear

The Ahuacate, while usually called a tropical fruit, is not confined to the tropics, but is also found in the frosty districts and high levels of Mexico. As the Ahuacate has not been given sufficient tests in the colder localities and we cannot recommend varieties for these districts, we list only those varieties which are suited to the weather conditions under which citrus fruits are grown. Tests have shown, however, that the Ahuacate will stand more frost than orange trees.

The Ahuacate serves the double purpose of a valuable fruit and vegetable, as it can be prepared in so many ways that it takes the place of other vegetable products. Its mellow, buttery flavor appeals to every palate. It is a fine substitute for meat, being a food of the highest nutrition. The Mexicans have a very pretty custom in eating this fruit, viz: They halve the fruit and take out the seed; thus each half forms a cup, which is filled with a salad dressing. This enables the dressing to thoroughly permeate the meat and makes very delicious eating. It can also be served as a breakfast food, a fruit salad, a vegetable salad. An excellent refreshment at any time, and is always served in a raw state.

The Ahuacate, aside from its productiveness, is equally as well classed as an ornamental evergreen. A tree, properly pruned and taken care of, will form one of the most beautiful trees—an ornament to any yard, where its waxy, oblong leaves and yellowish green folowers will make a fine showing.

SEEDLING AHUACATES

We can supply seedling trees at the following prices: 18 inch 75 cents each; 2 feet \$1.00 each; 3 feet, \$1.25 each; or, in quantities of 100 at \$50.00 to \$75.00 per hundred respectively.

BUDED TREES

We can supply budded trees in the following varieties:

BLAKE. Pyriform, bottle necked; length $3\frac{1}{2}$ to 4 inches, diameter $1\frac{1}{4}$ to $2\frac{1}{4}$ inches; smooth surface, color light green, thin skin; flesh creamy yellow, texture smooth and buttery, with rich oily flavor of good quality; medium sized seed. This variety is believed to be related to the Fowler, the real difference being the shape. Season, September to October. Price \$5.00 and \$7.50 each.

EELLS (Northrop). This variety is pear shape, of medium size, deep purple color, flesh is firm, of a yellowish hue, and has a rich, nutty flavor of the highest quality. The tree bears two crops a year, one in the spring and one in the fall. Price, \$4.00 and \$5.00.

FOWLER. Similar to the Gantner. Oval tree, very hardy and vigorous, with round, upright top and healthy foliage, making it a beautiful ornamental tree; bearing the very richest and most buttery fruit, excellent in flavor and quality. Thin skin, flesh yellow. A Mexican variety. Length $4\frac{1}{2}$ inches; diameter $3\frac{1}{4}$ inches, with medium size seed, making it a favorite among the larger varieties. Original tree at Pasadena. Fruiting season July to October. We are growing quite a number of this variety, which we can supply at \$6.00 and \$7.00 each.

GANTNER. Color light green, thin skin; flesh yellowish cream, changing to pale green near the skin; rich, nutty flavor; large seed. Form oval to oblong; length $2\frac{1}{2}$ to 4 inches; diameter $1\frac{1}{4}$ to $2\frac{1}{4}$ inches. \$4.00, \$5.00 and \$7.50 each. Original tree at Whittier, California. Fruits October to December. 3 to 4 feet, \$10.00; 5 feet and up \$15.00 each.

HARMAN. Form oval, large fruit, length 3 to $4\frac{1}{2}$ inches, diameter 2 to $3\frac{1}{2}$ inches. Smooth, glossy, light green color, changing to reddish purple, with numerous large, irregular, yellowish dots. Flesh greenish yellow, very buttery. Very little fibre. Flavors very rich and nutty. Large seed. Fruiting season, October to November. From original tree at Sherman, California. Price, \$5.00, \$7.50 and \$10.00 each.

HOLLENBECK. Grown in Pasadena and similar in description to the Fowler; \$5.00 and \$7.50 each.

MESERVE. Nearly round, easy to pack and ship; skin green and thick enough to stand shipping. Weight about 1 pound. Seed tight in cavity. Flavor rich and buttery. Hardy and prolific. Fine near the coast. Fruiting April and May. Price \$5.00 and \$7.00 each.

SKINNER. This variety is very hardy; the parent tree is growing in a cold location and does not freeze. The fruit is same color as Eells, dark purple, but not quite as large nor as highly flavored. Price, \$5.00 and \$7.00 each.

TAFT. A fine pear shaped fruit, weighing 14 to 20 ounces. Skin green, smooth, thick and tough, a good shipper. Flesh light yellow, smooth texture, good flavor. Seed medium size, tight in cavity. Season, May, June and July. Price \$5.00 and \$7.50 each.



FOWLER AHUACATE

CHERIMOYA

Anona Cherimolia or Custard Apple

Another excellent tropical fruit which has been classed as one of the finest fruits in the world. It is not a new introduction, but has been growing in California for many years—a native of Central America.

A handsome tree, with broad, velvety green leaves; sometimes deciduous for a short period during the winter months. Is suitable for citrus localities. The fruit is heart shaped, or oval, greenish brown in color, about the size of navel orange, skin is usually covered with small, conical protuberances. Flesh white, melting, custard-like pulp, with flavor similar to the pineapple, and is liked by all. Ripens during spring months. Price \$.75 and \$1.00 each.

FEIJOA SELLOWIANA

or
The Pineapple Guava

Resembling in growth and character the common guavas, being also of the Myrtle family. Grows to a height of 8 to 10 feet; often used as a hedge, as it is very ornamental. Fruit the size and shape of a hen's egg, green in color, with sometimes a crimson cheek; granular flesh, becoming white as it nears the seed, with a most delicious flavor, combining the pineapple, raspberry and banana. Seeds are small, almost unnoticeable when eating the fruit, being no larger than strawberry seed. Commonly eaten out of hand, but can be cooked in many ways. Fine for jams and jellies. A good keeper and shipper. Easily cultivated, requiring very little water after becoming established. However, frequent irrigations during dry season greatly encourage growth.

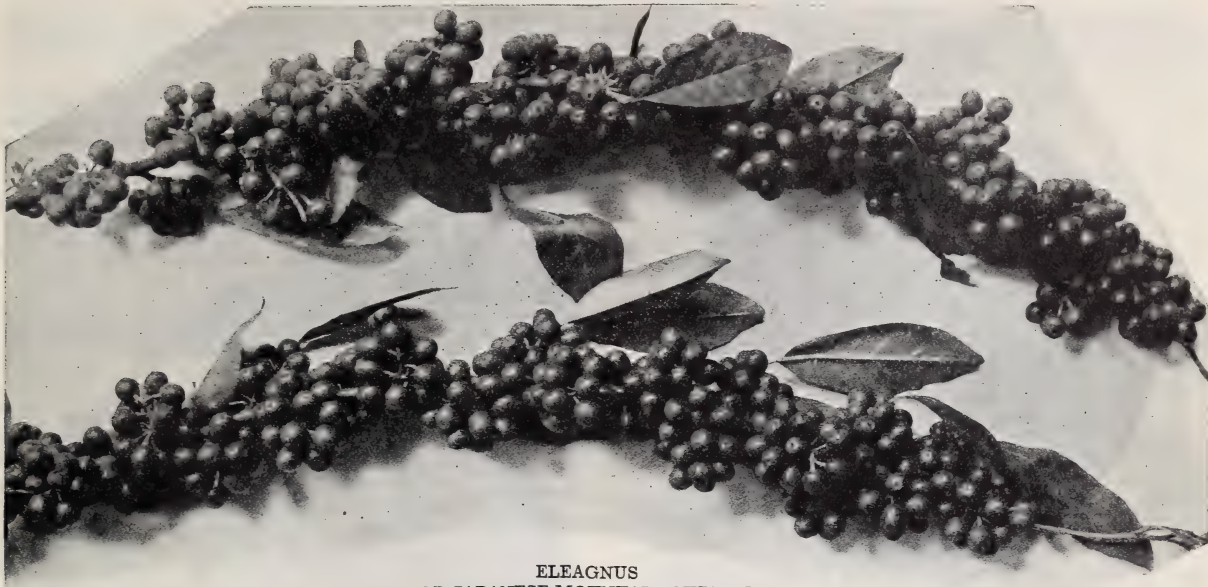
The Feijoa was introduced from France. It has proven very hardy in California, and is known to stand a temperature as low as 12 degrees above zero. Everyone should have at least a few Feijoa shrubs in the garden. Ripens from November to January. Price, 50c, 75c, \$1.00, up to \$2.00.

GUAVA

STRAWBERRY. A shrub or small tree of bushy growth. Very heavy bearer, producing fruit of a strawberry flavor the size of a small plum. Fruit round, deep red; very fine for table, preserves or jellies. Every home should have a few of these valuable plants in the garden; 25 cents, 35 cents and 50 cents each.

YELLOW STRAWBERRY. Similar to Strawberry Guava. Excellent for preserves; 50 and 75 cents each.

BERRY PLANTS



ELEAGNUS
OR JAPANESE MOUNTAIN CURRANT

ELEAGNUS, OR JAPANESE MOUNTAIN CURRANT

A new and rare variety of currant, but recently introduced into this country. It is a native of Japan. It has been grown very successfully in this vicinity by an expert grower and found to be very superior to other varieties of currant. It grows 12 feet in height and diameter, completely covered with delicious sub-acid flavored eatable berries. Evergreen. Will stand a great deal of frost and dryness. Fine for jelly, pies, etc. Also good for decorative purposes during the bearing season. Price 50c and \$1.00. (See cut).

BLACKBERRIES

CRANDALL'S EARLY. Ever-bearing, large and firm; good flavor, bears the entire season, ripens early, one of the best. Per dozen, 50 cents, \$3.00 per 100.

HIMALAYA GIANT. A remarkable grower, canes growing 40 feet in a single season. It should be trained on a trellis; a tremendous bearer and good shipper. Very few seeds. For canning and jams it has few equals and is also a fine table fruit: 15 cents each, \$1.00 per dozen, \$7.00 per 100.

MAMMOTH BLACKBERRY. A mammoth in growth and unlike any other blackberry plant. In a favorable season it has attained a growth of 20 feet. The foliage is large and thick and of a deep green color. Fruit is enormously large, some berries being $2\frac{1}{4}$ to $2\frac{1}{2}$ inches long; ripens three weeks before other kinds. To obtain best results plant upon a trellis, which should be set 10 feet apart and set the plants 6 to 8 feet in the rows, 10 cents each, 75 cents per dozen, \$5.00 per 100.

CURRENTS

Prices 15 cents each, \$1.25 per dozen
Currants do not thrive in the dry heated air of the interior, but do well near the Coast.

BLACK NAPLES. Large, black, fine for jams and jellies; 15 cents each, \$1.25 per dozen.

CHERRY. Very large, deep red, fine for preserves; productive; 15 cents each, \$1.25 per dozen.

FAY'S PROLIFIC. Fully as large as the cherry; early and productive. One of the very best; 15c each, \$1.25 per dozen.

DEWBERRIES

GARDENA. The most popular and best of this class of berries and has proven a great success. Ripens two weeks earlier than any of the Blackberries; berries large, glossy black, sweet and rich. Fine for market and bears very heavy; 10 cents each, 50 cents per dozen, \$2.50 per 100.

LUCRETIA. Produces an abundance of large, glossy black fruit, of excellent quality. Ripens ten days later than the Gardena; 50 cents per dozen, \$2.50 per 100.

GOOSEBERRIES

The Gooseberry does not thrive in a hot dry climate, but requires a cool and foggy atmosphere. They also produce heavily in mountain sections at an elevation of 5,000 feet.

DOWNING. Fruit of good size, light green, oval, skin smooth, fine flavor; 15 cents each, \$1.50 per dozen.

HOUGHTON. Fine grower and a good bearer, pale red fruit, sweet and juicy; 15 cents each, \$1.50 per dozen.

JOSELYN. Fine grower and prolific bearer. The freest of all all gooseberries from mildew, both in leaf and fruit, making it a good berry for the coast. Price 20 cents each, \$2.00 per dozen.

LOGANBERRY

LOGANBERRY. A cross between the raspberry and the blackberry, and partaking of the flavor of both, only more delicious than either. Seeds few; ripens early. Fruit very large, dark red and produced in immense clusters. The best results are obtained by growing on a low trellis. Plant in rows seven feet apart and six to eight feet in the row; 10 cents each, 75 cents per dozen, \$5.00 per 100.

RASPBERRIES

BLACK CAP. We have had many calls the last few seasons for Black Cap Raspberries, but we did not carry them in stock, as we had not been in a position to get a variety that would do well in Southern California, but we are prepared this season to supply "Black Caps" that are an excellent berry and will prove satisfactory in every way. 15c ea., \$1 per doz., \$7 per 100.

CUTHBERT, RED. Berries very large, rich red, flavor good; a fine shipper, one of the most popular of all Raspberries; 50 cents per dozen, \$2.50 per 100.

EARLY SURPRISE. A splendid new Raspberry similar in form and color to the Cuthbert. Begins to ripen in April, continuing during the entire berry season; growth very strong; the earliest berry of all to ripen; 15 cents each, \$1.00 per dozen, \$7.00 per 100.

GOLDEN QUEEN. The best of all yellow varieties, sometimes called "Yellow Cuthbert." Fine flavor and very palatable. Makes fine jelly and preserves; 15c each, \$1 per doz., \$7 per 100.

STRAWBERRIES

Prices 20 cents per dozen, 75 cents per 100, \$4.50 per 1,000
A1. Ripens from early spring to late fall; a sure and continuous bearer. Large, dark red, when ripe. Very prolific.

AMERICUS. Fall-bearing strawberry. A splendid berry of good color and fine shape and quality; 75 cents per dozen; \$5.00 per hundred; \$35.00 per thousand.

BRANDYWINE. Plant a luxuriant grower. Fruit large, conical; flesh firm, glossy red, of fine quality. A medium to late variety, exceedingly popular, heavily grown and a splendid shipper.

EXCELSIOR. The earliest strawberry and the best winter bearer. Round, medium good flavor, color pale red. Brings high prices as a winter berry.

IOWA. The leader and considered the most successful of all fall bearing strawberries. A heavy bearer of splendid fruit of good quality and size; plants hardy and robust; 50 cents a dozen; \$3.00 per hundred; \$20.00 a thousand.

KLONDIKE. A medium early variety of recent introduction. Fruit beautiful and uniform in shape; a rich blood-red in color; juicy and delicious in flavor. Well worth planting.

DECIDUOUS FRUIT TREES

NOTE—Deciduous Fruit and Nut Trees comprise all fruit trees that drop their leaves early in the winter and remain in a dormant condition until the sap starts running again in the spring. Shipping and planting season starts the first part of January, and ends generally the middle of April, according to the earliness or lateness of the season. Customers desiring early shipment should place their order early, as all orders are filled in rotation as received. The above is also true of all Grape Vines.

APPLES, WINTER VARIETIES

Prices 35 cents each, \$3.25 per 10.



BALDWIN APPLE

ARKANSAS BLACK. Dark red, large, round, sub-acid apple: a good keeper.

BALDWIN. Very productive, large, round, deep bright red, juicy, crisp, subacid, of fine flavor. A great market variety. One of the most popular winter apples. November to February.

MISSOURI PIPPIN (Stone's Eureka). Admirably adapted to Southern California; large round, yellow, striped with red. Flesh white and moderately juicy. A very good bearer. Fine for market. November to April.

ROME BEAUTY. Large and roundish, yellow shaded and striped with bright red. Flesh yellowish, juicy and sprightly. Good late keeper. One of the very best varieties for the mountain valleys of Southern California. November to February.

WHITE WINTER PEARMAIN. One of the universal favorite and extensively grown apples in California. A big commercial variety. Flesh yellowish, crisp, tender and juicy, with an elegant subacid flavor. A strong and healthy grower. Succeeds well in all parts of the State. November to January.

WINESAP. Medium size, roundish oblong. Color of skin, dark red. Flesh yellow, crisp and rich flavor. A good bearer and largely grown. An excellent table variety and one of the best for cider. November to February.

YELLOW BELLEFLEUR. Particularly adapted to California and one of the best commercial varieties. Very large, oblong, lemon color; flesh firm, tender, juicy and crisp. Good keeper. Tree strong and healthy grower. October to January.

YELLOW NEWTOWN PIPPIN. Considered one of the best winter apples in California. Large golden yellow. Flesh firm and crisp, with a very rich high flavor. January to May.

APPLES, SUMMER VARIETIES

Prices 35 cents each, \$3.25 per 10.

EARLY HARVEST. Medium size, roundish, light yellow, flesh very white, tender and crisp. Fine for table and cooking. Early June.

RED JUNE. Early, oblong in shape, medium size, deep red color. One of the best table varieties. June to July.

RED ASTRACHAN. One of the best commercial varieties. An early bearer; tree vigorous and hardy, flesh white, crisp and juicy, with a pleasant acid flavor. July.

APPLES, FALL VARIETIES

Prices 35 cents each, \$3.25 per 10.

FALL PIPPIN. Very large, roundish, a little flattened, skin yellowish green, flesh white, tender and mellow. A heavy bearer and one of the best Fall apples. September.

GRAVENSTEIN. Tree a vigorous grower, fruit large, skin yellow splashed with red and orange, flesh tender, crisp and highly flavored, a strong growing and heavy bearing tree. A standard fall apple in this State. August.

WINTER BANANA. A comparatively new variety. Fruit large and well formed, yellow shaded with red. Flesh yellow with a rich aromatic sub-acid flavor of the best quality. Heavy bearer. September.

RHODE ISLAND GREENING. Large and round. A fine apple for table cooking. Flesh yellow, fine grained, tender, crisp, juicy, slightly acid. A healthy and very popular tree, October and November.

JONATHAN. Medium size, conical. Skin light yellow, with red stripes, and deep red in the sun. Flesh tender, juicy and rich. One of the best apples for Southern California, including the Mountain Valleys and Plateaus. October to December.

APPLES, CRAB

Prices 35 cents each, \$3.25 per 10

The crab bears when quite young and generally bears heavily every season. They seem to succeed equally well in cold or hot climates, and the value of their fruit for cooking, jelly and cider is recognized to the extent that the demand for them in the market exceeds the supply.

YELLOW SIBERIAN. Large, fine golden yellow.

RED SIBERIAN. Fruit small, fine flavor.

TRANSCENDENT. Fruit large, crisp and juicy. Skin yellow striped red. Tree very productive. Considered the best of the crabs, especially fine for preserves and jellies.

APRICOTS

Prices 50 cents each, \$4.50 per 10

BLenheim. Large, oval, orange with a deep yellow, juicy and fairly rich flesh. Ripens a little later than the Royal.

HEMSKIRKE. Large, slightly flat on the sides, strongly resembles the Moorpark, but ripens earlier, and is a more regular bearer. Flesh bright orange, tender and juicy. Late June.

MOORPARK. Large, greenish yellow, shading to red on sunny side and somewhat dotted. Fruit of highest quality and excellent flavor. Ripens in late August.

NEW CASTLE. Medium size, round, best early variety, ripening from two to three weeks earlier than Royal.

PEACH. Fruit large, flattened on sides, skin yellow, flesh juicy and of rich flavor. Fine for drying.

ROYAL. More extensively planted than any other variety; fine for canning and drying. The leading California Apricot. Large size, free stone, fine color and flavor. Good bearer. Fruit large and roundish. Skin yellow, slightly tinged with red. Flesh pale orange, firm and juicy, with a rich vinous flavor. Early June.

TILTON. Large, oval, slightly compressed; flesh firm, yellow, parts readily from the stone; heavy and very regular bearer. Seems to be more exempt from late frosts than other varieties.

CHERRIES

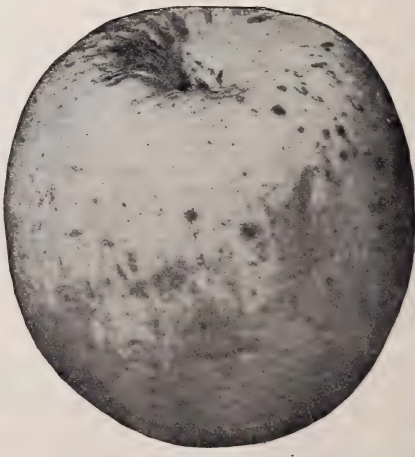
Prices 35 cents each, \$3.25 per 10

Cherries bear better when associated with another variety, causing cross-fertilization.

BLACK TARTARIAN. Fruit of the largest size, bright purplish black. Flesh purplish, juicy, of a very rich flavor. Tree a very vigorous, erect and splendid grower; an immense producer. The best of the black cherries.

EARLY RICHMOND. An old favorite; color red, subacid flavor, early, hardy, healthy and productive.

NAPOLÉON BIGARREAU (Royal Ann). A splendid cherry of the largest size, pale yellow, spotted with red, bright red cheek. Flesh very firm, juicy and sweet. Tree a free grower and an enormous bearer. Will bear better if planted with Black Tartarian, which will act as cross-pollenizers.



YELLOW BELLEFLEUR APPLE

DECIDUOUS FRUIT TREES (Continued)

FIGS

3 to 4 foot trees, 50 cents each, \$4.50 per 10. Kadota 50 and 75 cents each.

BLACK MISSION (California). The oldest Fig in California and one of the best for home use. Tree a strong grower, skin rough, deep mahogany violet, tinged with red. Flesh sweet.

BLACK SPANISH. Largest of all, skin smooth, violet black green neck; pulp red, coppery, tinged with violet. Fine for table.

BROWN ISCHIA (Brown Turkey). A very large, brown Fig. Probably the earliest large brown grown. Color, violet brown. One of the best market Figs, bringing heavy returns.

CALIMYRNA (Smyrna). The genuine fig of commerce of Asia-Minor. Large size, skin lemon yellow, pulp reddish amber. The flavor and quality of this Fig are unsurpassed. It is necessary to cross the variety with the wild or Capri Fig, which produce the Fig wasp necessary to carry the pollen and fertilize the Calimyrna, otherwise the fruit will drop before maturity. The fig wasp can be secured from almost any fig grower, and if placed in an orchard of any size, after the Capri Fig is large enough to produce pollen for it, it will thrive through a winter and will not need replenishing. But if there are only one or two trees, the wasp will starve for want of pollen, and in this case anew one will have to be secured each season.

CAPRI. The wild Fig which must be grown in connection, and associated with the Calimyrna (Smyrna) Fig, the ratio being two Capri trees to one acre of Smyrnas 75 cents and \$1.00 each.

KADOTA. A white fig of medium size. Prolific bearer. Trees bear when very young. Price special as above.

WHITE PACIFIC. Greenish yellow skin; a regular, heavy bearer. Fruit is medium size to large, with very sweet meat, fine for eating out of hand.

WHITE SMYRNA. A compact grower of spreading habit. Thin skinned, greyish green in color, and a splendid table fig.

NECTARINES

Prices 35 cents each, \$3.25 per 10

BOSTON. Tree hardy and productive; fruit large and handsome, bright yellow, with deep red cheek; flesh yellow and sweet, with pleasant flavor, freestone. A favorite in California.

HARDWICKE. Probably the best bearer, a favorite in Southern California. Fruit very large, skin pale green, with deep violet red cheek; flesh pale greenish and high flavored, freestone.

LORD NAPER. Pronounced best in flavor at the Pomona Experiment Station. Recommended as a heavy and regular bearer. Large, pale cream color with dark red cheeks; flesh white, melting, tender and juicy, separating freely from stone.

NEW WHITE. One of the most popular varieties and more freely planted than all other Nectarines combined. Used largely for drying. Fruit large, skin white with slight traces of red; flesh white, tender, very juicy, rich flavor.

STANWICK. One of the leading varieties of Nectarines. Large size. Skin greenish white, shading to red on sunny side. Flesh white, tender and juicy, delicious flavor. Fine for drying and good shipper. Season, August and September.

PEACHES, WHITE FREESTONE VARIETIES

Prices 35 cents each, \$3.25 per 10

ALEXANDER. Most widely known as best early variety. Fruit medium to large, greenish white, nearly covered with deep red. Juicy and sweet. Early in June.

BRIGGS' RED MAY. Early, very popular; fruit medium to large; skin greenish white with red rich cheek; juicy and sweet. A standard early variety. Middle of June.

GEORGE IV. Medium to large fruit; tender and sweet, white with red cheek; flesh pale, juicy and rich. A very popular table variety. End of August.

PEACHES, YELLOW FREESTONE VARIETIES

Prices 35 cents each, \$3.25 per 10

CRAWFORD EARLY. Very large, oblong, skin yellow, with fine red cheek; flesh yellow, rich and excellent; tree very healthy and productive, probably the most largely planted variety in California. Last of July.

CRAWFORD LATE. Very large, yellow with dark red cheek; flesh yellow, juicy and melting, flavor very rich. An old, popular and widely grown variety. August.

ELBERTA. Very large, a bright yellow with a beautiful mottled red cheek; flesh yellow, juicy, sweet, high flavored and a perfect freestone. Tree a strong grower, a healthy heavy bearer. One of the best paying varieties for the Southwest. July.

FOSTER (See Cut). Fruit large, yellow, red on cheek, early, rich and juicy; fine for canning or drying. Uniformly large; flesh yellow, very rich. Last of July.

LOVELL. This magnificent peach stands at the head of all other varieties and is a clear yellow, freestone. Its only rival is the Muir, which has very much the same resemblance. It dries heavier than any other variety, and is a good canner, a vigorous grower, heavy bearer and very productive. August.

MUIR. Fruit large to very large; perfect free-stone; flesh clear yellow, very dense, rich and sweet; pit small, a good bearer and strong grower. One of the most popular varieties for canning and especially adapted for drying. August.

SALWAY. Large, round, skin downy, creamy, rich, clear, crimson cheek; flesh deep yellow, red at the pit, juicy and sweet. A standard late peach. Tree very healthy. September.

SUSQUEHANNA. Large, skin rich yellow, nearly covered with red; flesh yellow, sweet, juicy, with rich flavor. Very widely distributed and popular. August.

PEACHES, CLINGSTONE VARIETIES

Prices 35 cents each, \$3.25 per 10

HENRIETTA CLING (Levy's Late). Latest of all clings and highly esteemed for canning and market. A magnificent Peach of large size, skin a deep yellow, flesh deep yellow, firm, sweet and juicy. September.

LEMON CLING. Fruit large, lemon shaped, red on sunny side; rather acid in flavor. One of the most popular of all the canning peaches. A heavy and regular bearer. August.

ORANGE CLING (Runyon's). Superior to the common Orange Cling, and not subject to mildew like the common sort. Fruit very large, yellow, with dark crimson cheek, rich, sugary and vinous flavor. July. 3 to 4 ft, 35c.; 4 to 6 feet, 50c each.

PHILLIP'S CLING. Preferred by canners to all other clings. Fine large yellow, no color at pit, which is very small, very rich and high colored, flesh of the finest texture. September. 3 to 4 ft, 35 cents; 4 to 6 feet 50 cents each.

TUSCAN CLING. A good shipping and canning Peach. Very desirable on account of its earliness. One of the most popular peaches among canners and always in heavy demand. July. 3 to 4 feet 35 cents; 4 to 6 feet 50 cents each.

WHITE HEATH CLING. Very large, white with light shade of red; tender and sweet; good for canning. One of the best clings. Best adapted to interior regions. September.

OLIVES

Size 3 to 4 ft, 75 cents; 4 to 6 ft, \$1.00 each

MANZANILLO. The finest Seville Olive, valuable for pickling and oil. Fruit is very large, of a deep black color. Makes fine green and ripe pickles of the very best quality and produces oil of highest grade. Prolific bearer. Early October.

MISSION. A standard. Introduced from Spain many years ago. Fruit medium to large, makes an extra fine green or ripe pickle.

LOQUAT

An evergreen tree attaining a height of fifteen to twenty feet, large glaucous leaves of a compact habit. Valuable as an ornamental, shade and fruit tree. The fruit is very desirable and popular; makes splendid jelly. One of earliest fruits to ripen. **SEEDLINGS**. "Specimen plants," balled or in five gallon cans: \$1.00 to \$1.50 each.

TAFT'S ADVANCED BUDDED LOQUAT. Much larger than ordinary loquat, very sweet and juicy. 3 to 4 feet \$2.00, 4 to 5 feet \$3.00.



BARTLETT PEAR

PEARS, EARLY VARIETIES

Prices: 3 to 4 feet, 35 cents each, \$3.35 per 10; 4 to 6 feet, 50 cents each, \$4.50 per 10

BARTLETT. The most famous and popular of all Pears, and the best for table, shipping, drying and canning. Fruit large, smooth, clear yellow; flesh white, fine grained, juicy and highly flavored. August.

MADELINE. The earliest, fruit medium pale yellow; flesh white, juicy and delicate. June and July.

SECKEL. Small but of superlative table excellence; color yellow russet with red cheek; flesh white, very juicy and melting, with a peculiar rich, spicy flavor and aroma. August to September, 3 to 4 feet size.

PEARS, WINTER VARIETIES

FLEMISH BEAUTY. Large pale yellow pear; flesh juicy and melting, prolific bearer and hardy. September and October.

WINTER BARTLETT. Fruit large, greatly resembling the famous Bartlett in shape, appearance and flavor, but a little coarser, ripening four months later. Flesh tender, juicy and melting and as good as can be desired. November.

WINTER NELIS. Medium, skin yellowish green, dotted with russet; flesh yellowish-white, fine grained, exceedingly juicy and sweet, a fine shipper and splendid keeper. Especially adapted to a warm dry climate. December.

DECIDUOUS FRUIT TREES (Continued)



SATSUMA PLUMS

JAPANESE PERSIMMONS

Large size 50 cents, medium size 35 cents

A valuable acquisition to our fruits. The trees are hardy and thrive where the thermometer does not drop below zero. Persimmons are becoming more popular each season, especially for winter fruit, and always realize a high figure on the market.

GOSHIO. Very large, round—somewhat flattened, three to three and a half inches in diameter. Average weight, ten ounces. Sometimes yields fruit sixteen ounces in weight. Flesh red. Fruit keeps well. Tree is very ornamental.

HACHIYA. Acknowledged best. Large. Skin orange-red; flesh yellow, soft and jellylike when ripe. Almost seedless.

HYAKUME. Very large; skin orange yellow; flesh dark brown, sweet, crisp, and meaty. Not astringent like the preceding one, but good while yet hard.

TANE-NASHI. One of the largest. Fruit almost spherical. Skin yellow, flesh yellow and seedless. The best of the light-fleshed kinds, fine quality and abundant bearer.

POMEGRANATES

PAPER SHELL. A new, thin skinned variety, as the name indicates, of very fine quality. Will bear first year. 50cts each.

PLUMS

Prices 35 cents each, \$3.25 per 10.
Except Satsuma 50 cents, Duarte 50 cents

BURBANK. The best of the Japanese varieties. Fruit large, round, red, flesh yellow, sweet with a very pleasant flavor.

CLIMAX. Very early, large size, fine color; delicious flavor; the leader in early shipping plums; tree vigorous and productive.

DUARTE PLUM. The best of all the new Plums; originated by Mr. Luther Burbank some years ago, but never disseminated. Skin deep purple, big yellow dots, blue bloom. Flesh purple crimson, nearly freestone, very rich, delicious commingling of flavors. Tree upright, hardy fine grower, never failing bearer, abundant. August, 75 each.

GREEN GAGE. Pale green, small, round, juicy, of fine flavor.

KELSEY JAPAN. Ornamental and a splendid bearer; fruit large, light red, when ripe of splendid quality.

SANTA ROSA. The fruit is of a dark purplish crimson in color, the flesh being pale amber near the skin. The quality is unsurpassed and is a valuable plum for both shipping and home uses. Ripens about two weeks earlier than the Burbank. The tree is a splendid grower and of excellent bearing qualities. Fruit of beautiful appearance and delicious flavor; 50c each.

SATSUMA. Large, flesh red, firm, solid, juicy, and of fine flavor.

WICKSON. A deep cherry red; flesh amber, very juicy and delicious flavor. A small pit; ripens early in August and is a valuable shipping plum.

PRUNES

Prices 3 to 4 ft. 35 cents; 4 to 6 ft. 50 cents each,

FRENCH PRUNE. Violet purple, rich and sugary, medium size, productive, fine for drying, therefore planted extensively.

HUNGARIAN PRUNE (Pond's Seedling). Very large, reddish violet, juicy and sweet; a vigorous tree and strong bearer; fine for shipping or home market.

SUGAR. Early, tree vigorous, fruit carries a high percentage of sugar, flesh dark purple, tender and rich.

TRAGEDY. A valuable early variety. Medium to large, dark purple; flesh yellowish-green, sweet and well flavored, freestone. Fine for eating out of hand. July.



VAN DEMAN QUINCE

QUINCES

Prices 35 cents each, \$3.25 per 10

APPLE OR ORANGE. Large, fine golden yellow color. Fine for preserves or flavoring, productive and popular. The variety most largely cultivated. September.

CHAMPION. Fruit yellow, large and handsome, bears early, and is more productive than the above. Cooks tender and is of excellent flavor.

PINEAPPLE. Originated by Luther Burbank. The result of extensive experiments to secure a quince that would cook tender like an apple. The name comes from its flavor, which is suggestive of the Pineapple. Makes an elegant jelly, or can be eaten raw. Late August.

SMYRNA. Fruit very large, of lemon color. A delicious flavor and very tender when cooked. Being a strong grower and heavy bearer with heavy foliage, especially adapted to the interior valleys. One of the best keepers.

VAN DEMAN. (See cut) largest and best quince on the market. Flesh yellow and very fine for canning; 35 and 50 cents each.

NUT TREES

NOTE—Deciduous Fruit and Nut Trees comprise all fruit trees that drop their leaves early in the winter and remain in dormant condition until the sap starts running again in the spring. Shipping and planting season starts the first part of January, and ends generally the middle of April, according to the earliness or lateness of the season. Customers desiring early shipment should place their order early, as all orders are filled in rotation as received.

ALMONDS

Prices: 3 to 4 ft. 35 cents each, \$3.00 per 10; 4 to 6 ft. 50 cents each; \$4.50 per 10.

I. X. L. Tree a rapid, sturdy, rather upright grower, with large leaves. Nuts large, easily shelled, no bleaching or machine necessary. Soft shell.

JORDAN. The largest, and one of the sweetest and best flavored almonds in existence. The kernels are long, plump and thin-skinned. Introduced from Spain.

NE PLUS ULTRA. Tree a rapid grower, leaves large, heavy and regular bearer. Nuts large. Soft shell, hulls free. Middle of March.

NONPAREIL. Of a weeping style of growth; small foliage; a heavy and regular bearer, with very thin shell, of the paper shell type. Ripens early and can be gathered before other varieties are ready.

CHESTNUTS

SPANISH, ITALIAN and AMERICAN. Large nuts, sweet and of good quality. Bears early and is very prolific. Price three to four feet 50 cents each; four to six feet 75 cents each, six to eight feet, \$1.25 each.

PECANS

Price of grafted trees, three to four feet, \$1.50 each

FROTSCHER. One of the best of the grafted sorts. Tree of strong, upright growth; meat of finest quality, easily removed from shell; nuts large; shells soft and thin.

STUART. Good flavor, nuts large—about two inches long by three-quarters of an inch diameter; shell thin, quality good, and heavy bearer.



GRAFTED (OR BUDDED) WALNUTS

WALNUTS

COMMON BLACK. A robust tree, beautiful foliage, dense spreading top; wood very durable. Hard shell, kernel sweet. \$1.00 each.

GRAFTED OR BUDDED WALNUTS ON BLACK ROOT

FRANQUETTE. This variety is native of France, but recently introduced here. It has proven to be one of the best. Blooms late, after danger of frost is past. Very hardy and an abundant bearer. Nut very large, elongated oval shape, with heavy, well sealed shell. Kernel sweet and rich. Fine for market variety. Price three to four feet 75 cents each, four to six feet \$1.25, six to eight feet \$1.75.

PLACENTIA PERFECTION. The favorite soft shell walnut in Southern California. Nut is large and of high quality. The tree is strong and vigorous and begins to bear young. Four to five feet 75 cents, five to six feet \$1.00, six to eight feet \$1.50.

SANTA BARBARA SOFT SHELL. Nuts are large with thin shell, kernels white and sweet. Prolific bearer. Fine for Southern California; \$1.00 and \$1.50 each.

Seedling trees 3 to 4 ft., 35 cents each; \$3.25 per 10

" 4 to 6 ft., 50 cents each; \$4.50 per 10

" 7 to 8 ft., 75 cents each, \$7.00 per 10

GRAPES

AMERICAN VARIETIES

Prices 10 cents each, \$1.00 per dozen, except where otherwise noted.

The family of Grapes grown throughout the Eastern and Middle-West States. They are particularly adapted for covering arbors, being good climbers and strong growers. These varieties may be planted in sections where the extreme cold of winter would make it unsafe to use the Foreign Grapes.

CAMPBELL'S EARLY. Blackish purple, large, early and productive. A fine new grape. Flesh firm and tender, almost seedless. A good grower with healthy foliage. Fruit hangs on vines sound and perfect for more than ten weeks after ripening and does not crack. As a good keeper and shipper it is believed to be unequaled by any other grape. More Campbell's Early are being planted in the east than any other variety. 20 cents each, \$2.00 per dozen.

CONCORD. One of the most popular and well known of the native grapes. Early, color black, large, both of clusters and grapes. Flesh juicy, buttery and very sweet. Exceptionally well adapted to arbors. A vigorous grower, healthy and productive.

DELAWARE. A small red grape of fine quality. Bunches are small and compact, sweet and sugary. An abundant bearer.

MOORE'S DIAMOND. A very desirable new white grape. Bunches large, berry white with yellow tinge, when fully ripe. Flesh juicy, almost free from pulp, very few seeds

Early. Resembles Concord in quality, but more pulp; ripens several days earlier.

NIAGARA. One of the best white grapes in cultivation. A leading market variety and much used for arbors.

PIERCE (Isabella Regia). A sport of the Isabella. Berries and leaves are very large size, and when ripe the fruit is exceptionally sweet. For size and quality it is one of the very best of the American varieties. Berries bluish black. A fine market variety, bringing good prices and always scarce. Grown as the California Concord in the Los Angeles region. 15 cents each, \$1.50 per dozen.

WORDEN. Black and of large size. Said to be a seedling of the Concord, which it greatly resembles. Ripens a few days earlier than the Concord, and is of superior flavor. Berries larger than Concord, bunch large and compact.

FOREIGN VARIETIES

Prices 10 cents each, \$1.00 per dozen

Foreign Grapes are very widely distributed, and heavily grown in California; in fact, the industry is one of the most important in the State. No home garden is complete without a few choice varieties for family use.

The varieties listed below are among the very best and will give entire satisfaction.

BLACK CORNICHON. Black, late, fine for shipping or market; agreeable flavor. Bunches very large, but loose. Desirable on account of its attractive appearance, curious shape, excellent shipping qualities and late ripening.

BLACK HAMBURG. One of the best table grapes. Bunches very large, berries large, round, black when fully ripe. Flesh sweet and juicy. Very heavy bearer.

BLACK MALVOISE. Vine a strong grower. Berries large, oblong, reddish black; flesh juicy, flavor neutral; bunches large, rather loose, an immense bearer. A fine table as well as wine grape.

BLACK PRINCE. Bunches long, tapering; berries juicy and sweet. A very desirable table grape.

EMPEROR. Vine vigorous and heavy bearer; berries oblong, rose color; a splendid late variety for the market. A favorite variety on account of its lateness and good keeping qualities.

MALAGA. Immensely productive; berries very large, large bunches, yellowish green. One of the best shipping grapes, commanding a good price on the eastern markets

MISSION. The first grape grown in California. Vine a strong grower. Bunches loose; berries medium size, round, purple-black, exceedingly sweet, juicy and delicious. Skin thin. Very popular.

MUSCAT OF ALEXANDRIA. Yellowish green, skin thick, extensively planted for raisins. Vine rather short bushy grower, more of a bush than vine; berry oblong, light yellow, transparent. One of the richest flavored of all grapes.

ROSE OF PERU. Vine a strong grower; bunches very large, rather loose; berry round, large, black, with firm and crackling flesh. Ripens rather late. A popular and fine market variety.

SULTANA. Large bunches, berries small, amber colored, seedless; a fine bearer and excellent for raisins. Grows in sandy soil. An immense bearer, producing very large crops.

THOMPSON'S SEEDLESS. A prolific bearer; large bunches, berries greenish yellow, seedless, larger than the Sultana; makes a raisin of fine quality and valuable for table use.

TOKAY. Berries large, skin thick, pale red, flesh firm and sweet; excellent for table. The leading shipping grape of the state.

ORNAMENTAL DECIDUOUS TREES

This class of trees furnishes ample shade and ornamentation of grounds during the summer season, dropping the leaves in winter, when shade is not desired; 4 to 6 ft. 50 cents, 6 to 8 ft. and up 75 cents and \$1.00.

NOTE: To supply the trade after the dormant season is over (April 1), we carry some of the above varieties in 5 gallon cans. Price 25 cents per tree higher.

ASH

ARIZONA ASH. A rapid growing tree, suitable for planting in arid regions where shade is required in summer time and sunshine in winter.

WHITE ASH. A tall, very straight tree with broad, round head and dense foliage of a dull bluish-green color. A magnificent avenue tree, adapting itself readily to California soils and climatic conditions.

COTTONWOOD. A very rapid growing tree, with spreading head. For quick shade it is invaluable. It adapts itself to almost any situation, but is very partial to moist places.

ELM, AMERICAN. This beautiful tree grows in many parts of the United States; is one of the best deciduous trees, and grows quite tall.

LOCUST, BLACK. Native of North America, with spreading branches; a rapid grower; grown extensively for lumber; white flowers.

MAPLE

SILVER. The favorite eastern shade tree; also does well in this climate. Foliage very striking.

NORWAY. A large, handsome tree, with broad, deep green foliage, and of very compact growth, rendering it one of the most desirable varieties for the street, park or garden. A valuable variety in the interior valleys.

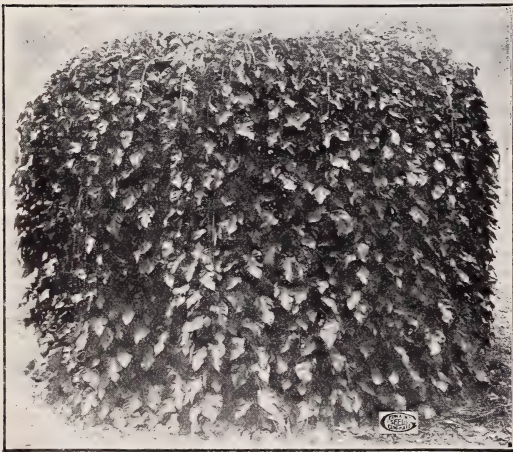
SUGAR (ACER SACCHARUM). A large tree of pyramidal form, dense habit, foliage dark green. A magnificent tree for street and lawn. Height fifty to sixty feet.

CUT-LEAF SILVER MAPLE. A beautiful form of the Silver Maple. Leaves deeply cut and delicately divided. Branches drooping, frequently touching the ground. Height thirty-five to forty feet.

MULBERRY

RUSSIAN. Attains a height of 50 ft. Tree of a spreading habit, rapid growth, and conspicuous for its rather large dark green, glossy leaves. Price 50 cents each.

TEAS WEeping. Is one of the best decorative mulberry trees. Beautiful on a lawn, makes an excellent summer house. Price 5 to 6 ft. \$1.25, 6 to 8 ft. \$2.00, 8 to 10 ft. \$2.50 each.



TEAS WEeping MULBERRY

POPLAR, CAROLINA. An upright growing tree, pyramidal head, large glossy deep green leaves. One of the best for street shade.

SYCAMORE. One of the best forest shade trees; a rapid grower.

UMBRELLA TREE

Texas UMBRELLA TREE. One of the most beautiful shade trees. A rapid grower with very dense umbrella head, giving abundance of shade all summer. There is no better tree for the desert home; 3 to 4 ft. trees 40 cents each; 4 to 5 ft. trees 50 cents each; 5 to 6 ft. trees 60 cents each, 6 to 8 ft. trees 75 cents to \$1.00 each.

ORNAMENTAL DECIDUOUS SHRUBS



LILAC OR SYRINGA

GRAPE MYRTLE. A handsome, deciduous shrub that produces an abundance of very showy flowers. In three colors: pink, crimson and white. In pots 50 cents each; larger plants 75 cents to \$1.00 each.

VERBENA

LEMON VERBENA (Aloysia Citriodora). Well known fragrant lemon scented shrub. In pots 8 inches to 12 inches high, 15 cents to 25 cents. In gallon cans 2 to 3 ft., 35 cents to 50 cents.

LILAC. See Syringa below.

SNOWBALL. See Viburnum below.

SPIRAES

SPIRAEA ANTHONY WATERS. Crimson Spiraea, a valuable addition to our list of shrubs, strong grower, free bloomer, not only during the summer, but also during the fall. In every way a grand Spiraea. In gallon cans 35 cents to 50 cents, larger plants in 5 gallon cans 75 cents and \$1.00.

REEVESIANA (Bridal Wreath). A well-known favorite shrub, producing immense quantities of white flowers; 25 cents to 50 cents each, in 5 gallon cans, 75 cents.

VAN HOUTTE (Van Houtte's Bridal Wreath). The finest of all the white varieties. When in flower, a complete fountain of white bloom, the foliage hardly showing at all, so dense and profuse are the blooms. This has been a great favorite wherever tried; 50 cents each, in 5 gallon cans \$1.00.

SYRINGA

SYRINGA PERSICA (Persian Lilac). A superb variety, with small foliage and bright purple flowers; 50 cents each.

VULGARIS (Common Lilac). A well-known, beautiful shrub, with large trusses of fragrant, bluish-purple flowers; 50 cents to \$1.00 each.

VULGARIS ALBA. A white variety of the above; 50 cents to \$1.00 each.

TAMARIX (The Tamerisk). A graceful shrub, with feathery, cypress-like leaves and large panicles of showy pink flowers. Blooms during early summer. Thrives in all soils and locations, whether by the seashore or hot interior valleys; 3 to 5 ft. plants in gallon cans, 25 to 50 cents each.

VIBURNUM OPULUS VAR. STERILE (Snowball, or Guelder Rose). A favorite shrub with clusters of pure white flowers; 35 cents and 50 cents each.

CONIFERS

ARAUCARIA



ARAUCARIA EXCELSA

BIDWILLII (Bunya-Bunya). A magnificent tree for planting on lawns or in parks. Many fine specimens may be seen in Los Angeles. In pots 2 ft. \$1.50, 4 to 5 ft. \$5. Specimen plants 6 to 8 ft. high, very bushy \$25.00 to \$30.00 and \$35.00 each.

EXCELSA (Norfolk Island Pine). One of the handsomest trees for planting on lawns and in parks, also extensively used as a decorative pot-plant, pyramidal form and an ornament to any garden. The branches on old trees come out in tiers 3 to 4 ft. apart, therefore do not obstruct the view. Small plants 2 to 3 tiers 75 cents, \$1.00 and \$1.25, 3 to 4 tiers \$1.50, \$2.00 and \$2.50, averaging \$1.00 to \$1.25 per foot in height.

COMPACTA ROBUSTA. Foliage very heavy, strong and sturdy, which in this respect differs from A. Excelsa. Fine pot grown plants 2 tiers \$1.00 to \$1.50; 3 tiers \$2.00 to \$2.50; 4 tiers \$3.00 to \$3.50, averaging \$1.50 per foot in height.

GLAUCA. Another of the A. Excelsa type, in character of growth, and one of the handsomest of all the family. Foliage a beautiful glauca green. Pot grown plants, 2 tiers \$1.00 to \$1.25; 3 tiers \$1.75 to \$2.25; 4 tiers \$3.00 to \$3.50, averaging \$1.50 per foot in height.

ARBORVITÆ (Thuya)

THUYA OCCIDENTALIS (American Arborvitæ). An ornamental evergreen tree or shrub of thick growing habit and especially valuable for hedges. In 8 inch pots, 3 to 4 ft. high 35 cents to 50 cents; in 5 gallon cans 4 to 6 ft. high 75 cents to \$1.00.

OCCIDENTALIS AMEA (Chinese Golden Arborvitæ). One of the most beautiful compact ornamental shrubs. A slow grower and suitable for cemeteries and in narrow corners of beds where slow growth is desired. Foliage green and assumes a golden tint in spring. In gallon cans, 10 to 14 inches, 35 cents to 50 cents, boxed 3 ft. \$2.00, 4 ft. \$3.00.

PINUS

PINUS INSIGNIS (Monterey Pine). A native of California, much used as a street shade tree and in groves, being a rapid grower, and very handsome, pyramidal habit, with long deep green needles or leaves; thrives best near the coast. Small plants in pots 25c and 35c, 3 to 4 ft. 60c to 75c, 4 to 6 ft. \$1.00 to \$1.50.

CYPRESS



LAWSON CYPRESS

GUADALUPENSIS (Blue Cypress). One of the quickest growing of the Cypress family. An erect grower, pyramidal form, foliage a beautiful glaucous green. In pots 2 to 3 ft. 50 cents to 60 cents, 3 to 4 ft. 75 cents to \$1.00, 6 to 8 ft. \$2.00 to \$3.00.

LAWSONIANA (Lawson Cypress). (See Cut). A native tree, and does well in this country. Being quite hardy, the nature of this tree is to grow bushy and erect with beautiful drooping branches with dark green glossy leaves. 3 to 4 ft. high \$1.25 to \$1.50, 4 to 5 ft. high \$1.75 and \$2.00, 5 to 6 ft. high \$2.50.

MACROCARPA (Monterey Cypress). A native of this state, a rapid growing variety, and can be trimmed into any shape. This fact, combined with its dense foliage, makes it very valuable for hedges and wind-break purposes. When allowed to grow in tree form it is one of the best shade trees. Small plants in boxes of 100 plants at \$2.00 per box. In pots 2 to 3 ft. high 25 cents each, 3 to 4 ft. high 35 cents, 4 to 5 ft. 50 cts.

SEMPERVIRENS (Italian Cypress). This is the favorite cypress for planting in cemeteries, Italian gardens, and at the entrance of driveways and walks. Being a tall, narrow growing tree it is extensively used for arches. The branches are erect and grow close to the trunk. Foliage a dark green. In pots 2 to 3 ft. 50 cents, 3 to 4 ft. 75 cents. In 5 gallon cans 4 to 6 ft. \$1.00 to \$1.50 each; 6 to 8 ft. \$2.00 to \$2.50.

SEQUOIA

SEQUOIA GIGANTEA (California Big Tree). The largest tree in the world. A native of California and attains a height of from 300 to 400 ft. with very thick trunks, some of which have measured over 30 ft. in diameter. Shape of tree is tapering with deep green foliage. One of the handsomest trees for avenues and private gardens. Very ornamental; 6 inch pots \$1.00 to \$1.50; large plants 4 to 6 ft. \$2.50 to \$3.50. See page 65.

SEMPERVIRENS (California Red Wood). Another one of California's native giant trees. A very rapid grower and ornamental. The timber from this tree ranks among the finest in the world, both for building and decorative purposes. Small trees \$1.00, larger size \$3.50 each.

ORNAMENTAL EVERGREEN TREES

ACACIA

BAILEYANA. A small, handsome tree with glaucous foliage and covered with bright yellow flowers in the spring. So profuse are the flowers they almost drown the foliage; very popular as a cut flower. This tree is an ornament to any garden. One of the finest of the Acacia trees. In gallon cans 2 to 3 ft. 50 cents to 75 cents, 3 to 4 ft. \$1.00 to \$1.25, in 5 gallon cans 4 to 6 ft. \$2.00 to \$2.50 each.

CULTRIFORMIS (Knife-Leaved Acacia). Foliage of this variety is triangular in form; color beautiful sea-green; profuse in bloom; of medium sized growth. A splendid variety; 3 to 4 ft. 75 cents, 4 to 5 ft. \$1.00 each.

DEALBATA (Silver Wattle). A handsome strong growing shade tree for planting on lawns and in parks; also one of the best for streets. Feathery foliage of a bluish-gray color. In pots or cans 40 cents to 50 cents.

DECURRENS (Green Wattle). One of the best trees for street planting. Similar to the Dealbata. In pots or cans 3 to 4 ft. 40 cents to 50 cents, 5 to 6 feet \$1.00.

FLORIBUNDA (30 feet). A rapid upright growing tree, with long narrow leaves; small bright yellow flowers; blooms heavily all summer. A splendid variety. We have an exceptionally fine stock on hand in 1 gallon cans, 3 to 4 ft. 40 cents to 50 cents, 4 to 6 ft. 60 cents to 75 cents. Special prices on large quantities.

LATIFOLIA. Resembles the "Melanoxydon" variety, but leaves are longer and the tree more floriferous. In pots or cans 3 to 4 ft. 50 cents, 4 to 5 ft. 60 cents to 75 cents, in 5 gallon cans 7 ft. and up, \$1.50 to \$2.00 each.



ACACIA MELANOXYLON (BLACK ACACIA)

MELANOXYLON (Black Acacia). The best of the Acacias for street planting, and very extensively planted of late. A rapid grower. We have a large and fine stock in 1 gallon and 5 gallon cans. Prices in 1 gallon cans 3 to 4 ft. 35 cents, 4 to 6 ft. 50 cents to 75 cents, 6 to 8 ft. \$1.00, 6 to 10 ft., in 5 gallon cans, \$1.00 to \$1.25. Special prices on large quantities.

MOLLISSIMA (Black Wattle). A fine erect growing tree, with glaucous green feathery foliage; flowers yellow, produced in early spring in great profusion. In pots or cans 3 to 4 ft. 40 cents to 50 cents.

PYCANTHA (Golden Wattle). Leaves long and broad; flowers in long solitary auxiliary spikes. In pots or cans 3 to 4 ft. 50 cents, in 5 gallon cans 4 to 6 ft. 75 cents and \$1.00.

BAMBOOS

BAMBUSA METAKE. A very hardy variety; well adapted to use as a screen for back yards; 50 cents to \$1.50.

VULGARIS. A giant Bamboo, attaining a height of 70 ft., and over 4 inches in diameter. Strong established plants 6 to 8 ft. \$3.00, 8 to 10 ft. \$5.00 each. Clumps \$10.00 each.

CAMPHOR TREE

CAMPHORA OFFICINALIS. The cleanest of all shade trees, and hardy in this climate; is considered to be one of the finest street shade trees; a fast grower, and requires little treatment. The beautiful light green, glossy foliage is an attraction all the year, while in the spring the new growth comes out a reddish brown and turns to green. In gallon cans 3 to 4 ft. high, 50 cents, 4 to 5 ft. 75 cents, 5 to 6 ft. \$1.00 each. A very large assortment in 5 gallon cans, 5 to 8 ft. high at \$1.25 to \$1.50. Special prices on large quantities.

CAROB TREE

ST. JOHN'S BREAD. A handsome shade tree, with round spreading top and small glossy green leaves, bearing large edible pods. In 5 gallon cans \$1.00 to \$1.50 each.

CASUARINA STRICTA

BEEF-WOOD or SHE-OAK. A beautiful shade tree and odd in appearance; needle shaped leaves, wood very hard and valuable. Remarkable for rapid growth. Tree grows well in brackish and alkaline soils and endures the heat of the interior. In gallon cans, 3 to 4 ft. 50 cents, 4 to 5 ft. 60 cents to 75 cents, 5 to 7 ft. \$1.00 to \$1.50. In 5 gallon cans 6 to 8 ft. \$1.50 to \$2.00. Special prices on large quantities.

CEDRUS DEODORA

HIMALAYAN CEDAR. An exceedingly beautiful tree with drooping branches and silvery green foliage. A noble looking tree wherever planted; very rapid grower. In pots 1 to 2 ft. high 75 cents to \$1.00, 3 to 5 ft. \$2.75 to \$3.50, larger sizes \$5.00 to \$7.50 each.

ENGLISH HOLLY

ENGLISH HOLLY TREES. A beautiful evergreen tree with dark green, stiff, curly leaves. The branches thro' the winter months are covered with red berries which make a wonderful effect. In warm climates this tree should be planted where it will receive partial shade and damp soil. Often used as pot or tub plants until too large to handle easily, and then planted in open ground. Price, 18 in. high, \$1.50- 24 in. high, \$2.00; 30 in. high, \$3.00 each.

EUCALYPTUS

CORYNOCALYX (Sugar Gum). (See cut page 66). One of the best of the family for a shade tree, and is being planted extensively as an avenue tree; wood very hard. In gallon cans 25 cents to 50 cents. In flats of 100 plants, 4 to 8 inch, \$2.00, \$15.00 per 1,000.

DIVERSICOLOR (Karri Gum). Prices same as above.

RUDIS (Desert Gum). Prices same as above.

TERETICORNIS (Gray Gum). Prices same as above.

FICIFOLIA (Scarlet Flowered Gum). This handsome tree should be in every garden; a rapid grower and excellent shade tree, dark green leaves and immense clusters of bright scarlet flowers. Tree 3 to 5 ft. \$1.00 each.

GLOBULUS (Tasmania Blue Gum). See cut page 66. In pots 15 cents, 25 cents and 35 cents. In flats of 100 plants, \$2.00 per flat, \$15.00 per 1,000.

ROSTRATA (Red Gum). See cut page 67. In gallon cans 25 cents and 35 cents. In flats of 100 plants, \$2.00 per flat, \$15.00 per 1,000.

For further descriptions of Eucalyptus turn to pages 66 and 67.



EUCALYPTUS GLOBULUS

ORNAMENTAL EVERGREEN TREES (Continued)



FICUS ELASTICA

FICUS AUSTRALIS (Australian Banyan Tree). One of the most remarkably large spreading trees of tropical Australia, standing the climate of California perfectly. It is also used as an ornamental pot plant, and extensively for decorative purposes. We have a large assortment to offer. In pots 12 to 24 inches 50 cents and 75 cents, 2 to 3 ft. \$1.00, 3 to 4 ft. \$1.25 to \$1.50, 4 to 6 ft. \$2.00 to \$2.50.

FICUS ELASTICA (Rubber Tree). The true Rubber Tree from India. A fine ornamental tree for lawn, with long, glossy green leaves; and also much used as a decorative plant. In pots, \$1.00 to \$8.00.

FICUS MACROPHYLLA (Moreton Bay Fig, or Long-leaved Rubber Tree). Similar to *F. Australis*, quite hardy and grows very large, with larger leaves than the former. In pots 2 to 3 ft. \$1.00, 3 to 4 ft. \$1.25; large plants in 5 gallon cans 4 to 5 ft. \$1.50, 5 to 6 ft. \$2.00 to \$2.50.

GREVILLEA ROBUSTA (Silky Oak, or Australian Fern Tree). This beautiful tree is well adapted to this climate, and is one of the best avenue trees, rapid growth, fern-like leaves and golden yellow flowers, which adorn the tree in the early summer months. Resist drought to a remarkable degree and is one of the most stately avenue and lawn trees of the interior. In cans 1 to 2 ft. 25 cents, 2 to 3 ft. 35 cents, 3 to 4 ft. 50 cents, 4 to 6 ft. 60 cents, 6 to 8 ft. 75 cents. Special prices on large quantities.

JACARANDA OVALIFOLIA (Brazilian Jacaranda). A beautiful tree of rapid growth, very fine cut fern-like leaves with large panicles of very showy blue flowers, which come out in summer. Grown in Southern California as a shade and ornamental tree; 3 to 4 ft. high 75 cents, large trees 6 to 8 ft. \$1.50 to \$2.00 each.

LIVE OAK (California). A familiar sight on our California landscapes, which adds so much to its beauty. A magnificent tree and should be extensively planted. In 5 gallon cans 3 to 4 ft. 75 cents, 4 to 6 ft. \$1.00 to \$1.25.

MAGNOLIA GRANDIFLORA. This noble evergreen tree, a native of the Southern States, grows to a height of 100 ft. and does well in this climate; a perfectly formed tree with large glossy green leaves. The flowers are large, pure white and fragrant. Plants 1 to 2 ft. 50 cents, 2 to 3 ft. \$1.00, 3 to 4 ft. \$1.50, 4 to 6 ft. \$2.00 to \$2.50. Grafted trees 2 to 3 ft. \$1.50, 3 to 4 ft. \$2.00 each.

PARKINSONIA ACULEATA, OR JERUSALEM THORN (40 feet). A very rare, odd and beautiful thorny tree with pine-like leaves, and feathery drooping branches, flowers one inch across, yellowish. Will thrive in the driest locations. As a specimen tree for lawns it always attracts attention; 3 to 4 ft. 50 cents to 75 cents, 4 to 6 ft. \$1.00 to \$1.25.

PEPPER TREE (*Schinus Molle*). This beautiful tree is too well known and popular to need much description. It has been one of the greatest attractions for years in Southern California and for a shade, ornamental, park or avenue tree it has no equal. Some specimens in Los Angeles are 50 ft. high and equally as broad. The dense foliage of green feathery leaves, white flowers and red berries add to the beauty of the tree. Small trees 25 cents, 4 to 5 ft. 50 cents, 6 to 7 ft. 75 cents each.

PITTIOSPORUM. See page 82.



GREVILLEA ROBUSTA

TERCULIA ACERIFOLIA (Australian Flame Tree). Pyramidal habit and large green leaves, produces masses of scarlet flowers, which can be seen at great distance. A very showy tree and should be in every collection. Large trees \$1.50 to \$2.00 each.

DIVERSIFOLIA (*Brachychiton Populenum*). This tree is rapidly becoming a favorite for street and avenue planting. Very graceful form; hardy and strong, leaves a bright glossy green, with various formation in shape; 3 to 4 ft. 50 cents, 5 to 6 ft. 75 cents, 6 to 8 ft. \$1.50 each.



PEPPER TREE

ORNAMENTAL EVERGREEN SHRUBS

BOTTLE-BRUSH (Callistemon Speciosus). Scarlet flowers. In gallon cans 3 to 4 ft. high 50 cents to 75 cents each.

BROOM, SPANISH. See Genista.

CALADIUM ESCULENTUM (Elephant's Ear). A tropical plant with enormous leaves. Very ornamental for lawns. In pots from 50 cents to \$1.00 each.

DAPHNE ODORA. A handsome, evergreen, winter-blooming shrub. In 6 inch pots \$1.00 each.

DIOSMA FRAGRANS (Breath of Heaven). A favorite shrub or pot plant; small white flowers. In pots 40 to 75 cents each.

FUSCHIA. Our stock of these ever-blooming plants embraces all the best sorts of single and double flowering varieties. Pot plants 25 cents and 35 cents each.

GENISTA SCOPARIUS (Cytisus Scoparius, Spanish Broom). Bright yellow, pea-shaped flowers, produced very freely in the spring and summer, on long pendulous, round leafless branches. An upright growing shrub. In gallon cans 50 cents to 75 cents, in 5 gallon cans, 5 to 6 ft., \$1.00.

GREVILLEA THELMANNIANA. Beautiful evergreen shrubs, having fine feathery foliage, and producing throughout the summer clusters of brilliant scarlet flowers, borne on the ends of the branches. In gallon cans 2 to 3 ft. high 50 to 75 cents.

HELIOTROPICUM (The Common Heliotrope). A fine collection; various shades of blue and pure white; 4 inch and 5 inch pots 25 cents and 35 cents each; 6 to 8 inch pots 50 and 75 cents.

HIBISCUS SINENSIS. A beautiful shrub, with large, showy flowers. Choice double and single varieties. Colors peach-blow, pink and scarlet. In 4 inch pots 25 cents and 35 cents; in gallon cans 50 and 75 cents; in 5 gallon cans \$1.00 to \$1.50.



HYDRANGEA HORTENSIS

HYDRANGEA HORTENSIS. One of the most gorgeous blooming plants grown in our semi-tropic climate; thrives best in partial shade, but does well in any situation. Our plants are not grown. In 4 inch to 6 inch pots 25 cents, 35 cents and 50 cents each. In 5 gallon cans \$1.00 to \$1.50.

OTASKA. The flowers are much larger than the old variety, frequently measuring 12 inches in diameter and of a delightful pink color. Prices same as above.

LANTANA. An ever-blooming shrub and does well in Southern California. Can be used as a hedge or ornamental plant. Colors, orange, yellow, pink and white. Four inch and 5 inch pots 25 and 35 cents each; 6 to 8 inch pots 50 to 75 cents.

LAURESTINUS. A handsome shrub with white flowers. Very fragrant, a free bloomer, and often used as a hedge plant. Small plants, 3 inch, 4 inch and 5 inch pots, 15 cents, 20 cents, and 25 cents; large plants in 5 gallon cans \$1.00 to \$1.50.

PRIVET

LIGUSTRUM JAPONICUM VARIEGATUM. Beautiful golden variegated foliage. Quart cans 1 to 1½ ft. 15 cents each, \$1.50 per dozen; 5 gallon cans, 4 ft., 75 cents and \$1.00.

JAPONICUM (Japanese Privet). A handsome shrub; valuable for hedges. In boxes of 100 plants \$4.00 per 100. Bare rooted 2 ft. plants 50 cents per dozen, \$3.00 per 100. In 3 and 4 inch pots 15 cents, in gallon cans, 3 to 4 ft., 25 cents and 35 cents; large plants in 5 gallon cans, 4 to 6 ft. \$1.00.

NEPALENSE (New). Foliage darker green and grows more compact than the above; \$5.00 per 100.

MYRTUS COMMUNIS (Common Myrtle). A well known shrub. In pots 15 cents to 50 cents each.

MATILLIJA POPPY (Romneya Coulteri). A California native flowering shrub, and commonly known as the queen of the native flowers. Is a vigorous grower and often attains a height of 7 to 8 ft. The foliage is a beautiful silvery green, and the large flowers with their silky white petals and bright yellow center make it one of the most attractive shrubs grown. The stems are long and stiff, making it very useful for cut flower purposes. This magnificent plant should be in every garden. Well established plants \$1.00 each. See page 63.

NEW ZEALAND FLAX (Phormium Tenax). Has large sword-like leaves of a deep rich green color. From this plant Flax is made in New Zealand. Very Ornamental. In 5 gallon cans, 3 to 4 ft. high, 75 cts. and \$1; in 12 inch Japanese tubs \$1.50.

NEW ZEALAND FLAX (Phormium Tenax Variegata). The variegated leaf variety; has shorter leaves, broad creamy-white stripes extending the entire length of each leaf. A grand lawn plant and also very desirable for grouping. Prices the same as the above.

OLEANDERS. Best suited for the warmer sections, where if given plenty of water, it thrives to perfection. The flowers are produced very freely for a long period. One of the showiest of ever-blooming evergreens. Colors, red, pink, white and buff yellow. In gallon cans 2 ft. 50 cents, 5 gallon cans, 5 to 6 ft. (very stocky) \$1.25 to \$1.50.

PITTOSPORUM EUGENOIDES. A handsome shrub, upright growth, with black stems and silvery-green leaves, very showy. Large plants 4 to 6 ft. high \$3.00 each.

NIGRICANS. A very handsome tree or shrub, with silvery light green leaves and black stems. Also a good hedge plant and very ornamental as an individual. In 5 gallon cans 5 to 6 ft. \$1.25; 6 ft. and up \$1.50.

UNDULATUM. Can be grown in either shrub or tree form; has magnificent glossy leaves and fragrant flowers. Can be used for hedges or ornamental purposes and has no equal. Small plants 25 cents; large size \$1.00 to \$1.50 each.

PLUMBAGO. White and blue. A beautiful flowering plant that can be used as a shrub or climber; very popular in this country. 3 in. pots 15c.; 4 in. pots 25c.; 5 in. pots 35c. each.

POINSETTIA PULCHERRIMA. The well-known Floride Pascua, the "Christmas Flower" of Mexico; unsurpassed for the splendor of its brilliant scarlet flower bracts; a universal favorite; grows to a large size. In 5 inch pots and 6 inch pots 50 cents to 75 cents; large plants in 5 gallon cans, 3 ft. to 5 ft., \$1.00 to \$1.25.



POINSETTIA

ORNAMENTAL EVERGREEN PLANTS



BOXWOOD AND BAY TREES

ASPIDISTRA ELATIOR VARIEGATA. Foliage green with broad stripes of white. Pot sizes same as below; 15c per leaf.
LURIDA. Native of China. The leaves of this variety are long, broad, shining dark green. A splendid house plant. In 4 inch, 5 inch and 6 inch pots. Pots average 5 to 10 leaves, according to size; 10 cents per leaf.

BANANA, ABYSSINIAN (*Musa Enseta*). This magnificent foliage plant, if planted in the open ground, and given plenty of water, attains a height of 12 ft. in one season. Is also used as a decorative tub plant. The fruit of this variety is not edible, but the leaves are magnificent, long, broad and massive, of a beautiful green, with a broad crimson midrib. Does not sucker. In 5 gallon cans, 3 to 4 ft. 75 cents, 4 to 5 ft. \$1.00, 5 to 6 ft. \$1.25 to \$1.50. In 12 inch Japanese tubs, \$1.50 to \$2.00. In 18 inch Japanese tubs, \$2.50.

EDIBLE. This very valuable tropical plant is prized for its fruit, textile fibre, and decorative effect in landscape gardening. The fruit of the banana seldom matures in Southern California on account of climatic conditions, but the tree makes a splendid tropical effect in landscaping. Price, 3 to 4 ft. \$1.50, 4 to 6 ft. \$2.00.

BOX WOOD (*Buxus sempervirens*). A European shrub of very dense growth, leaves small, dark glossy green. Can be used as a hedge plant, but shows to better advantage when grown alone and used as a decorative plant. 5 ft. plants well shaped, \$8.00 each, 6 ft. plants, \$10.00 each. The above plants are in large 20 inch tubs. Untrimmed pyramids, in 10 inch pots, 2 ft. \$2.00 each, \$3.50 per pair; Ball Shaped (specimen plants) in 12 inch Japanese tubs, 15x15 in., \$4.50 each, \$8.00 per pair; 18x18 in., \$5.50 each, \$10.00 per pair.

BAY TREES, (Laurus Nobilis). Handsome ornamental trees, trained in pyramids and globes. Excellent for hotel and other places where a striking effect is desired. Pyramids in tubs. Standard or globe shape in tubs.

Small size, 28-36 in. stems, 26-28 in. heads, \$22.50 pair

Medium size, 44-50 in. stems, 24-26 in. heads, 25.00 pair

Large size, 44-50 in. stems, 36 in. heads, 40.00 pair

44-50 in. stems, 40-42 in. heads, 50.00 pair

Extra large 44-50 in. stems, 46-48 in. heads, 75.00 pair

Pyramid shape 5 ft. high, \$20.00 per pair

Pyramid shape 6 to 7 ft. high, \$35.00 per pair.

SPECIAL. Pyramidal unshaped Bay trees, in 20 inch Japanese tubs, 8 to 10 ft. \$15.00 to \$25.00 each.

CAMELLIA JAPONICA. Among the most beautiful winter flowering evergreen shrubs, handsome shining, dark green leaves, and magnificent, wax-like flowers of the following colors: red, white, pink and variegated. This plant is hardy, does well in the house or conservatory and outdoors, but should be planted in a shady location. Vine plants 2 to 3 ft. \$1.00 to \$1.50.

COLEUS, see page 90.

CYCLAMEN GIGANTEUM. One of the finest plants for house and greenhouse culture. Flowers beautiful; very ornamental for winter and spring flowering; assorted colors; 50 cents, 75 cents and \$1.00 each.

PALMS

CHAMAEROPS EXCELSA (Hardy Fan Palm.) Commonly known as Japanese Fan Palm; very beautiful and especially attractive for its odd, hairy trunk. One of the best street palms and largely planted for that purpose. In gallon cans 25 cents, 35 cents and 50 cents each; 8 inch pots, 12 to 18 inches high (fine decorative plants), \$1.00 to \$1.50 each; in 5 gallon cans \$3.00 each; in large Japanese tubs, specimen plants, \$8.50 to \$10.00 each.

HUMILIS (Dwarf Fan Palm). A hardy dwarf growing palm with small, fan-shaped leaves and spiny stalks. Excellent for lawns where a dwarf palm is desired, also a splendid ornamental plant in pot or tub.

We are overstocked and offer fine strong "balled" plants at the following prices: 1 to 1½ ft. 50 cents to 75 cents; 1½ to 2 ft. \$1.00; 2 to 3 ft. \$1.25 to \$1.50.

COCOS AUSTRALIS (Brazilian Palm). This palm has no rival, being one of rare beauty and very ornamental; long graceful leaves of bluish green color; a pride to any garden; 3 to 4 ft. high in butter tubs, \$3.50 each; large 6 to 8 ft. plants \$25.00 to \$30.00 each.

FLEXUOSUS. A tall growing variety of graceful habit, attaining a height of 80 to 100 ft. Its odd formation of stem and head of beautiful feathery foliage are an ornament to the finest gardens. Plants in 6 inch pots \$1.00 to \$1.25 each.

PLUMOSUS. "The Ornamental Coconut Palm." Native of Brazil. A quick growing palm of tall, slender habit, with smooth trunk and crowned with graceful and finely divided leaves. A beautiful avenue palm. Rather tender and can only be grown in mild sections. Does well along the coast in frostless districts. 2 to 3 ft., \$1.50; larger plants \$2.50 to \$25.

CORYPHA AUSTRALIS (Livistona Australis). A very beautiful decorative palm for house culture. In 6 inch pots, 1½ to 2 ft. high \$1 to \$2; larger plants, in 12 in. Japanese tubs, \$3.50 ea.

CYCAS REVOLUTA (Sago Palm). This noble palm with its dark green leaves, which come out of the top of the plant and uncurl like a cluster of ostrich feathers, borne on a dark brown stem, is one of the best decorative palms, a very slow grower and glossy foliage. Any good garden soil will suit it. Pots should be well drained and water applied sparingly during the winter. 4 inch pots 75 cents; 5 inch, \$1.00; 6 inch, \$1.50 each.

DRACAENA AUSTRALIS. A palm-like tree, growing up to a considerable height. Stout stem. Leaves two to three feet in length. Fine for avenues. In pots 50 cents each, five gallon cans or balled \$1.00 to \$3.00 each.

DRACAENA INDIVISA. Leaves more narrow and longer than Australis. Nice for lawn or avenue, also for hall and porch decoration. In pots 35c and 50c ea., five gallon cans \$1 to \$3 ea.

ERYTHEA ARMATA (Brahea Glauca: The Blue Palm). A native of Lower California, very hardy. One of the most exquisite fan palms, glaucous blue foliage, and slow grower. In 12 inch Japanese tubs, 3 ft. high \$3.50 each; 4 to 5 ft. high, in large Japanese tubs, \$15.00 each.

EDULIS. One of the finest Fan Palms grown. Deep green leaves and very attractive, slender stem and more graceful than the California Fan Palm. Pot grown plants 50 cents each; 3 to 5 ft. high in 5 gallon cans \$2.50 to \$3.00 each.

KENTIA BELMOREANA. This is the most valuable palm for house culture, being very graceful with dark green pinnate leaves. It grows well, without any extra care, and without a doubt is the best palm to grow in pots. We have a large assortment of sizes: 4 inch pots 75 cents and \$1.00; 5 inch pots \$1.50 to \$2.50; 6 inch pots \$3.50 to \$6.00.

FORSTERIANA. Similar to the above and of equal value as a house plant. Prices the same. Foliage more erect.

PHOENIX CANARIENSIS. (See also page 68.) One of the most beautiful palms for planting on lawns and in parks. The most graceful and handsome of our hardy palms; leaves pinnate and of a very dark green color. Besides being an out-door palm it does fine in the house and on porches where it gets good light. They make a beautiful decorative plant when grown in a pot or Japanese tub. In cans and pots, 8 inches high, 50 cents; 12 to 18 inches 75 cents, and \$1.00; 2 to 3 ft. balled \$2.00 to \$2.50; 3 to 4 ft. \$3.00 to \$3.50; 4 to 6 ft. \$4.00 to \$5.00; 6 to 8 ft., in large Japanese tubs (fine large well established plants) \$6.00 to \$8.00 each. Specially selected in small Japanese tubs 4 to 5 ft. high \$5.00 each.

RECLINATA. "Dwarf Date Palm" (12 to 20 ft.). A graceful palm with drooping leaves and slender stem, but not as hardy as some of the others. Plants 3 ft. high \$3.00 each; large plants in Japanese tubs \$6.00 each.

RHAPHIS FLABELLIFORNIS. "Cane Palms" of China and Japan. The formation of this palm is in the form of a cluster of canes with bunches of fingered dark green leaves borne at the ends. Very ornamental both for a house and out-door plant. In small Japanese tubs \$3.00 to \$5.00 each.

SEAFORTHIA ELEGANS. A beautiful tall growing variety, with long pinnate leaves. A hardy palm in Southern California; 6 inch pots 75 cents to \$1.00; 8 inch pots \$1.50 to \$2.50.

WASHINGTONIA ROBUSTA. The most ornamental palm for street and group planting; exceptionally adapted to our warm southern climate. A favorite in all southern places. It has a very thin stem of dark reddish brown color while the large fan leaves are a deep glossy green. This palm grows to a height of 75 to 100 ft. In 5 inch pots 25 cents and 35 cents; 6 inch pots 50 cents to 75 cents; 2 to 3 ft. in 5 gallon cans \$1.50 each; 3 to 5 ft. in butter tubs, \$2.50 to \$3.50 each; in large Japanese tubs \$5.00 each.



KENTIA BELMOREANA



PHOENIX CANARIENSIS

YUCCA GLAUCA PENDULA. A very decorative plant for porch decoration. Its head of glauca green leaves with fountain-like appearance gives it a tropical effect. In gallon cans 35 cents to 75 cents each; 5 gallon cans 1½ to 2½ ft. \$1.50 each; in 12 inch Japanese tub (as per cut) \$3.00 each; \$5.00 per pair.

FERNS, HANGING BASKETS, FERN BALLS



BOSTON FERN—WALL POCKET



WHITMANI FERN

FERN DISHES

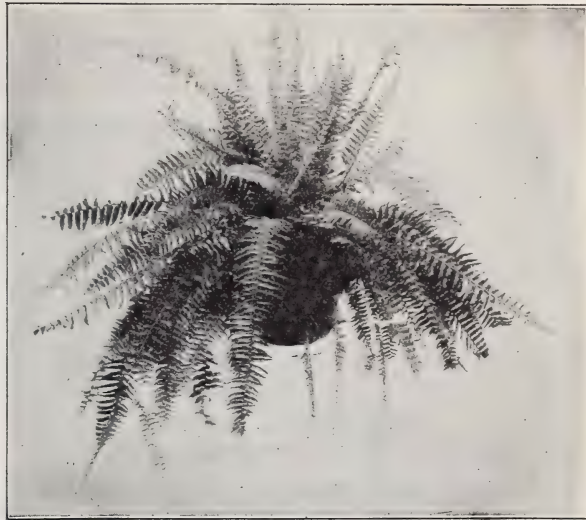
We have a choice collection of small ferns which can be used in Fern Dishes for the center of tables, etc. 15 cents each, \$1.25 per dozen. Our stock of hardy ferns for out-door planting includes all the finest varieties for bedding purposes and rockeries; 4 inch pot plants 35 cents each, \$3.50 per dozen.

HANGING BASKETS

There is nothing so attractive on a porch or arbor as a few nice baskets with growing plants. They add to the beauty and value of the home, and break the stiff appearing effect. We can supply 10 and 12 inch baskets, either filled with Boston Ferns or Asparagus Sprengeri at \$1.50 and \$2.00 each. Wall pocket, 10 inch, \$1.50 to \$2.00.

JAPANESE FERN BALLS

Of these we have a fine lot of perfect balls. During winter and early spring these are dormant, but on approach of warm weather, they will again burst into growth. Prices, January to April 1st, dormant, 50 cents each; via mail postpaid, 80 cents each. After April 1st, 75 cents each. Fern balls cannot be mailed after April 1.



BOSTON FERN—HANGING BASKET

Shade, moisture and good drainage are essential in the successful growing of Ferns, etc.

ADIANTUM CUNEATUM (Maiden Hair Fern). One of the most beautiful of all Maiden Hair Ferns; the most popular and most generally grown by florists for decoration; 4 inch pots 75 cents, 5 inch \$1.00, 6 inch \$1.50, 7 and 8 inch \$2.00 to \$3.00, 5 inch pot 75 cents; 6 inch pot \$1.00.

ALSOPIHIA AUSTRALIS (Fern Tree). A very rapid growing tree fern suitable for larger ferneries. The plant in a fully developed state is a magnificent thing. It attains a spread of several feet; the fronds are very broad and long, lace-like in appearance, and are admired by everyone. Price 4 inch pots 75 cents, 5 inch \$1.00, 6 inch \$1.50, 7 and 8 inch \$2.00 to \$3.00.

ASPARAGUS PLUMOSUS. The most valuable decorative plant grown. Its fine feathery foliage, which grows in great length and has a deep green color, is used in all the best decorations and floral work; is easily grown and thrives best in partial shade; 3 inch pots 15 cents each, \$1.50 per dozen; 4 inch pots 25 cents each, \$2.50 per dozen; 5 inch pots 35 cents each, \$3.50 per dozen; 6 inch pots 50 cents each, \$5.00 per dozen.

SPRENGERI (Natal). A most desirable new species, especially useful to grow as a pot plant, or for decorative purposes, or for planting in hanging baskets. Flowers white, followed by red berries. The fronds are frequently four feet long; are of a rich shade of green, and most useful for cutting, retaining their freshness after being cut for weeks. It makes an excellent house plant, as it withstands a dry atmosphere. As a hardy fern in hanging baskets, this magnificent plant cannot be excelled. Prices for pot plants, same as Asparagus Plumosus (see above). Prices for Hanging Baskets, see "Hanging Baskets" this page. In 12 inch Japanese Tubs, \$2.50 to \$3.00.

CRYPTOMIUM FALCATUM (Aspidium; the Holly Fern). So called because of its bright, glossy green foliage resembling Holly; 4 and 5 inch pots 35 cents to 50 cents.

LOTUS (Japanese). A splendid plant for pot decoration, and especially for window boxes. Very handsome glauca foliage, scarlet flowers, 3 inch pots 25 cents each, \$1.50 per dozen; 4 inch pots 25 cents each, \$2.50 per dozen; 5 inch pots 35 cents each, \$3.50 per dozen; 6 inch pots 50 cents each, \$5.00 per dozen.

NEPHROLEPIS EXALTATA (The true sword fern). In well grown specimens, the fronds attain a length of 6 to 7 ft., but only one to three inches wide, and, like plumes, arching in every direction; 5 inch pots 50 cents, 6 inch pots 75 cents.

BOSTONIENSIS. Known as the Boston Fern. This is decidedly the favorite for growing in hanging baskets, wall pockets and jardinières. Is one of the very few plants that will thrive under ordinary house care. Its long, broad, arching fronds show to grand effect. In 4 inch pots 50 cents, 5 inch pots 75 cents, 6 in. pots \$1. (Prices on hanging baskets, see this page.)

PIERSONI. This beautiful fern originated from the Boston Fern, but has a much more fluffy leaf; is one of the finest for decorative purposes. In 4 inch pots 50 cents, 5 inch pots 75 cents, 6 inch pots \$1.00.

WHITMANI. Commonly known as the Ostrich Plume Fern, because of its heavy plume-like leaves. Very graceful and looks as if two or three leaves were condensed in one; a beautiful house plant. In 5 inch pots 75 cents, 6 inch pots \$1.00.

PTERIS TRIMULA. One of the finest for house decoration; growing very rapidly and throwing up large fronds; makes magnificent specimens. Easily grown and very popular, 5 inch pots 50 cents; each 6 inch pots 75 cents each.

ROSES

GENERAL COLLECTIONS

Roses listed at 25 cents each are \$2.50 per dozen.
Roses listed at 30 cents each are \$3.00 per dozen.
Roses listed at 35 cents each are \$3.50 per dozen.
Roses listed at 50 cents each are \$5.00 per dozen.

The Rose is so generally known that little need be said regarding its cultivation, all that is needed being a good, deep, rich soil, libera manuring and careful cultivation. While there are thousands of varieties of roses grown, we have selected the following as being in our judgment, the very best varieties known. All of our Roses are field-grown and range in height from 18 to 24 inches, measured from the shank up. All roses not listed as "Climbing" are of the bush variety.

NOTE—Between January 1 and March 31, roses are dormant and shipped with naked roots. After April 1, they are "potted" in one gallon cans, as the dormant season is generally over by that time of the year, and the sap has started to flow. After roses are in cans, as above, all 25 cent plants are 35 cents each, \$3.50 per dozen; 30 cent plants are 35 cents each, \$3.50 per dozen; 35 cent plants, 40 cents each, \$4.00 per dozen; 50 cent plants, 60 cents each, \$6.00 per dozen.

The increased cost of handling roses after April 1 necessitates the increase of price as noted. Roses in cans will average 8½ pounds. On shipping orders via Express, we "ball" the plant out of the can on long distance shipments (unless otherwise ordered), to save customers transportation charges. Roses balled by our method will weigh on the average 4½ pounds; naked roots 1 to 1½ pounds. Customers selecting their own roses are respectfully requested to add to the orders a few supplementary varieties, lest, by previous orders, the stock of any particular variety should be exhausted.

ABBREVIATIONS: E. T., means Everblooming Tea Roses; H. T., means Hybrid Tea; H. P., Hybrid Perpetuals; Pol. Polyantha (Baby Roses); Cl. T., Climbing Teas; Cl. H. T., Climbing Hybrid Teas; Cl. N., Climbing Noisette; H. C., Hard, Climbers; Cl. Pol., Climbing Polyantha (Baby Roses).

CLIMBING ROSES

NEW AND RARE CLIMBING VARIETIES

HEINRICH MUNICH or PINK FRAU KARL DRUSCHKI

A beautiful rose resembling the Frau Karl Druschki, but of a delicate soft pink shade. The plants are somewhat stronger growers than the Frau Karl Druschki and the blooms more striking, both in bud form and when fully open. The petals are beautifully reflexed. \$1.00 each.

SUNBURST

Cadmium yellow, with yellow orange center; buds pointed and of excellent shape; long stemmed, almost thornless. The second crop of flowers are of deeper shade than the first. \$1.50 each.

CLIMBING BELLE SIEBRECHT (H. T.). A most lovely clear shell pink, an exact counterpart of Belle Siebrecht except in its climbing habit. Very fragrant. A beautiful bud and flower; 50 cents each.

CLIMBING FRAU KARL DRUSCHKI (H. P.). The best pure white climber grown, often called "Snow Queen." Flowers very large and pure silvery white, with real deep bud; 50c each.

CLIMBING KILLARNEY (H. T.). A climbing variety of the Pink Rose Killarney, the most famous of the Pink Hybrid Teas, and identical in color. A strong, rapid grower, thriving to perfection in the open ground, throwing up shoots ten to fifteen feet in a single season; continuous bloomer. A deep shell pink; 50 cents each.

CLIMBING LA FRANCE (H. T.). Identically the same as the Bush Pink La France, only a strong, rapid climber; 50 cents each.

CLIMBING LIBERTY. Crimson scarlet; a fine, free continuous bloomer, flowers medium size, well formed and richly colored. Excellent for forcing as well as planting out. A fine, all around variety.

CLIMBING METEOR (H. T.). A superb, ever-blooming climber. A sport from Meteor, famous for its magnificent flowers; of robust habit, attaining a growth of ten to twelve feet in a single season. Flowers a rich, velvety red; exquisite buds and beautifully formed; 50 cents each.

DUCHESSE DE AUERSTADT (E. T.). A rich, golden yellow, of good form and an excellent bloomer. Very rare; 50 cents each.



CLIMBING KILLARNEY

RAMONA or RED CHEROKEE. A rich, carmine crimson. During spring months plants are literally covered with bloom. They flower as freely as the White and Pink Cherokees, and make a splendid covering for fences, buildings, etc. 35 cents, 50 cents, gal. cans \$1.00.

PINK CHEROKEE (Climber). A form of the well-known white Cherokee, having every desirable quality of the latter, but blooms more profusely; a beautiful salmon-rose color. Mildew proof. An exceptionally fine novelty in roses, charmingly effective for pergolas, fences, arbors, covering banks and terraces. Adapted to California, Arizona and all milder sections of the country; 50 cents each.

CLIMBING ROSES (Continued)



CLIMBING LAMARQUE (White)

PINK ROSES

- CLIMBING CAPT. CHRISTY** (H. P.). A large, salmon flesh rose, unique for its odd color. Same as bush Christy, excepting in habit of growth; 35 cents each.
- CLIMBING CECIL BRUNNER** (Cl. Pol.). An exact counterpart of Mme. Cecil Brunner, except that it is a very vigorous, rapid climber. Its large clusters of rich pink blossoms and pronounced sweet fragrance make it one of the most valuable roses for table and house decorations; 50 cents each.
- CLIMBING MME. TESTOUT** (H. T.). A beautiful bright clear pink rose, new variety and rapid climber; flowers large and handsome; 50 cents each.
- DOROTHY PERKINS** (H. C.). A splendid rose with the habit of the Crimson Rambler. Its color is a beautiful shell-pink, and the sweet-scented flowers are borne in clusters of from thirty to fifty blooms each; 30 cents each.
- MADAM ALFRED CARRIER** (Cl. N.). Color, shell-pink, a robust grower and profuse bloomer. A great favorite in this climate; 30c each.

RED ROSES

- CLIMBING PAPA GONTIER** (Cl. T.). This is a new variety, with the fine form and color of the favorite bush rose of same name; a vigorous grower; 30 cents each.
- CLIMBING WOOTTON** (Cl. H. T.). A handsome velvety-red color, strong grower; a superior red climbing rose; 30c e.ch.
- CRIMSON RAMBLER** (Cl. Pol.). Rich, crimson roses in magnificent clusters, every cluster a bouquet. Hardy, rapid grower; 30 cents each.
- PHILADELPHIA RAMBLER** (H. C.). Quite an improvement on the "Crimson Rambler," the flower being much deeper, and a more intense crimson; 30 cents each.
- REINE MARIE HENRIETTA** (Cl. T.). A strong grower, producing large, handsome buds and flowers of a cherry-red; a free bloomer and very fragrant; 30 cents each.
- REINE OLGA DE WURTEMBERG** (H. T.). Clear cherry-red; fine large double flowers; borne in clusters. A strong, rampant grower; 30c each.

WHITE ROSES

- CLIMBING KAISERIN** (H. T.). (Mrs. Robert Peary). Hardy ever-blooming climbing, pure white rose, and blooms continuously from the first season. The flowers are large, very double, and exquisitely fragrant. It certainly has no superior; 50c each.
- LAMARQUE** (Cl. N.). A pure white, continuous bloomer. This is a universal favorite; 30 cents each.
- SINGLE CHEROKEE**. A pure white, showy rose, but not fragrant. It is extensively used for hedges; 30 cents each.
- WHITE BANKSIA** (Cl. T.). Flowers small, white, in clusters on thornless stems; 30 cents each.

YELLOW ROSES

- CLIMBING PERLE DES JARDINS** (T.). This free-blooming bright golden yellow rose is equalled by none. Being a hardy variety, it is one of the best climbers in existence, and in great demand; 50 cents each.
- CLOTH OF GOLD** (Chromatella), (Cl. T.). A large, deep yellow rose, very full, and a free bloomer; hardy; 30 cents each.



GOLD OF OPHIR (Yellow)

- GOLD OF OPHIR** (Cl. N.). (Beauty of Glazenwood). A beautiful rose; yellow suffused coppery red. Full, free bloomer; 30c each.
- MARECHAL NIEL** (Cl. T.). (Climber). A rich, deep golden yellow, of the most delicious fragrance. One of the finest and most popular of all climbing roses; 50 cents each.
- REVE D'OR** (Cl. N.). Yellowish buff in color; a very free bloomer with handsome buds; 30 cents each.
- WM. A. RICHARDSON** (Cl. N.). Orange yellow; very distinct; 30 cents each.
- YELLOW BANKSIA** (H. C.). Small yellow flowers on thornless stems; 30 cents each.

NEW RARE BUSH ROSES



LADY HILLINGTON



RHEA REID

ARCH DUKE CHARLES. Opens a beautiful red, changing to silvery pink. 75 cents each.

BETTY (H. T.). A superb variety with unique coloring of coppery tint, shaded with deep golden at the base. Buds long and pointed. Foliage thick and leathery. Price 50 cents each.

BLUMENSCHMIDT. Pure citron yellow, outer petals edged tender rose, a sport from Franciska Kruger which it resembles in form, but is more vigorous in growth; 75 cents each.

CAPTAIN HAYWARD (H. P.). One of the largest and best, full bud and cup shaped, with reflexed outer petals and straight standing inner petals, making a rose of striking beauty. Color a rich glowing crimson; 50 cents each.

ENTENTE CORDIALE. A charmingly beautiful rose of magnificent size and form; bud long and pointed, on long, stiff stems. Flowers large, full, creamy white, sulphur yellow center; 75c.

FRANCISKA KRUGER. Deep chamois, shaded peach pink. Buds particularly fine; one of the newer sorts. 35 cents each.

FRAU KARL DRUSCHKI (H. P.). The handsomest snow white rose ever introduced; free bloomer, long stems and beautiful foliage; 50 cents each.

GENERAL MCARTHUR (H. T.). One of the best ever-blooming varieties, producing great quantities of deep scarlet flowers, and a very robust plant; 50 cents each.

HELEN CAMBIER (H. P.). Beautiful canary yellow, with deep peach blossom center, changing to a cream as the flowers open. A handsome bush, a rapid and profuse bloomer all through the season. Flowers large and fragrant; 50 cents each.

J. B. CLARK (H. T.). A deep, blackish crimson shading with scarlet. Has the longest stem of any rose. Beautiful foliage and a vigorous grower; 50 cents each.

KILLARNEY (H. T.). A beautiful shell-pink rose, fragrant and a free-bloomer. Buds are long and fine for bouquets. The most popular pink rose of the day; 50 cents each.

LA DETROIT (H. T.). An excellent rose of recent introduction. Color shell pink, shading to soft rose. Foliage rich and glossy. A rampant grower. Very fragrant; 50 cents each.

LADY HILLINGTON. A fine, deep yellow rose, slender and very graceful. Blooms freely. Foliage narrow. Growth rapid and vigorous. Beautiful buds. Very new; 75 cents each.

LAURETTA. Delicate, fleshy white, a constant bloomer and remarkably vigorous grower. 75 cents each.

MADAME SEGOND WEBER. One of the grandest novelties of recent years; everybody is talking about it and the more one knows of this wonderful rose the more they will talk about it, and what is of real value, every bit of talk about Mme. Segond Weber is in praise of her. Rosy-salmon or flesh-pink in color, of the general type and color of "My Maryland." The bud is long and pointed, opening into enormous blooms which deepen its color until fully expanded, when it is as impressive as an "American Beauty." The texture of the rose is very thick and heavy and the form of the petals peculiarly beautiful. A great grand garden rose; awarded two gold medals; 75 cents each.

OLIVIA. The ideal red bedding rose; was always just a little ways ahead—never quite reached. Such varieties as Meteor, Helen Gould, General McArthur, Gruss an Teplitz, Etoile de France each lacked something to make them ideal. Rhea Reid came nearer the mark in some localities, but now comes Olivia, coming under the wire first an easy winner. It has more petals in it than General McArthur and is a shade lighter in color than Rhea Reid, but has them both backed off of the boards when it comes to free blooming. A superb rose; 75 cents each.

RHEA REID (H. T.). A very handsome rose, large and double. Free blooming, exquisitely fragrant, rich, dark velvety red—several shades darker than Gen. McArthur and a far more beautiful bud. Long stems—fine for cut flowers. Price 50 cents each.

WALTER SPEED. A magnificent rose of robust, vigorous, erect growth, possessing free and continuous blooming qualities, every shoot crowned with a flower bud, on a stiff stem; the blooms are large with high pointed center; the large, circular petals have great substance and are very smooth; color, deep lemon yellow, gradually changing to milk white. A beautiful and distinct rose of Antoine Rivoire type. Superb; 75 cents each.

BUSH ROSES (Continued)



PAPA GONTIER (Red)

PINK ROSES

- ALICE ROOSEVELT** (H. T.). A sport from Mme. Chatenay; of brilliant color, red bud, deep pink when open; 35 cents each.
- BELLE SIEBRECHT** (H. T.). A superb pink rose of recent introduction. The buds are long and pointed and when half-blown the petals reflex in a graceful manner. 35 cents each.
- BRIDESMAID** (E. T.). This is a "sport" from Catherine Mermet, but it surpasses it in color, being a deep bright pink; 25c each.
- CATHERINE MERMET** (E. T.). A rapid grower, profuse bloomer; long stems, well-developed flower of pink color, shading to flesh; 25 cents each.
- CECIL BRUNNER** (Pol.). This, the "Baby Rose," is a very small, perfectly formed Rose of pink color, largely used for table decorations; 25 cents each.
- DEAN HOLE** (H. T.). Silver carmine with salmon shadings; entirely distinct, and by far the finest of its color; the growth is vigorous, habit branching and remarkably floriferous; the flowers are large, and perfect in form. Price 50 cents each.
- DUCHESSE DE BRABANT** (E. T.). One of the most popular pink roses in cultivation; 25 cents each.
- LA FRANCE** (H. T.). One of the largest and most beautiful of all roses, both in the bud and in full bloom; peach-blossom color, and of the richest fragrance; 25 cents each.
- MME. ABEL CHATENAY** (H. T.). This splendid rose of novel color, golden pink, flushed with salmon, is a vigorous grower, large flowers. Very rare. Fine as a cut-flower; 50 cents each.
- MAMAN COCHET** (E. T.). One of the best for summer-blooming. The buds are a beautiful, light pink color, delightfully fragrant, and are held erect on long stems; 25 cents each.
- MME. CAROLINE TESTOUT** (H. T.). Satiny pink; 25c each.
- MRS. B. R. CANT** (H. T.). A beautiful new rose—rich glowing carmine; buds are large and full; very free bloomer. 35c each.
- MRS. JOHN LAING** (H. P.). A delicate pink of elegant form. Free bloomer and exquisitely fragrant; 35 cents each.
- RAINBOW, IMPROVED** (T.). The color is a lovely shade of deep coral pink, beautifully striped and mottled in the most unique manner, elegantly colored at center with rich golden amber; makes beautiful buds, extra large; 35 cents each.
- SOUVENIR DE PRESIDENT CARNOT** (H. T.). Very large, double to the center, and its color is a soft, rosy flesh; 25 cents each.
- WINNIE DAVIS** (H. T.). An apricot pink shading to a flesh tint at the base of the petals; the buds are oblong and well formed; a vigorous free-blooming rose. Price 35 cents each.

RED ROSES

- AMERICAN BEAUTY** (H. P.). Deep brilliant rose carmine, shading toward the center to a rich carmine-crimson. Very fragrant. Each 35 cents.
- BABY RAMBLER** (Pol.). A novelty similar to the Crimson Rambler, but the plant is a dwarf, erect-growing bush and a free bloomer; 25 cents each.
- BLACK PRINCE** (H. P.). A blackish crimson, darkest in the bud. As it opens, smoky shades of crimson are brought out, giving it an extremely rich effect; 25 cents each.
- DUCHESS OF ALBANY** (H. T.). (Red La France). Rich, dark pink, good form, and free bloomer; 25 cents each.
- ETOILE DE FRANCE** (H. T.). Bright crimson, buds long and graceful, plant is of a strong growing habit, and a good bloomer; one of the best; 50 cents each.
- GENERAL JACQUEMINOT** (H. P.). Brilliant dark crimson, a most popular rose, quite large; 30 cents each.
- GLOIRE DES ROSOMANES** (Ragged Robin). Without exception, the most constant and free-blooming of all roses; flowering well during the winter season unless checked by frost. Large, semi-double flowers of brilliant crimson hue. Unexcelled for hedge or tall borders; 25 cents each.
- GLOIRE DE MARGOTTIN** (H. P.). Bright, dazzling scarlet, a very fine flower; 35 cents each.
- GRUSS AN TEPLITZ** (H. T.). One of the best hardy, ever-blooming roses for outdoor planting; color rich crimson, quickly turning to fiery red. Flowers large and fragrant; a constant bloomer and vigorous grower; 25 cents each.
- HELEN GOULD** (H. T.). (Baldwin). A deep crimson, hardy and profuse bloomer; 25 cents each.
- JUBILEE** (H. P.). Deep velvet crimson with red shadings, one of the best dark roses grown; 35 cents each.
- METEOR** (H. T.). This rich, dark crimson rose is becoming more popular every year, owing to its excellent properties as a cut flower variety; 25 cents each.
- MME. JULES GROLEZ** (H. T.). Sometimes called Red Kaiserin on account of its similarity of foliage and form of flower. Color cherry red. Free bloomer; 35 cents each.
- SUNSET** (E. T.). One of the finest Tea Roses grown. It is a large, double, copper yellow rose of the most delicious fragrance; a very free bloomer; 35 cents each.
- PAPA GONTIER** (E. T.). A pleasing cherry-red color toward the edge of the petals, shading to deeper tone at the base. A strong, vigorous grower, with a remarkable fragrance; 25 cents each.
- PAUL NEYRON** (H. P.). The largest rose grown, the flowers being many inches in diameter. Color pink; long stem beautiful foliage; 30 cents each.
- PRINCE CAMILLE DE ROHAN** (H. P.). Deep crimson; 30c ea.
- RICHMOND** (H. T.). A grand new hybrid tea rose, strong grower, long stems, choice buds, bright scarlet; 35 cents each.
- SOUVENIR DE WOOTTON** (H. T.). A beautiful shade of deep crimson, exquisitely fragrant, a constant, prolific bloomer, long stems; 25 cents each.
- ULRICH BRUNNER** (H. P.). This is a most excellent rose, both in flower and foliage. The bloom is large, cherry-red and very fragrant. The foliage is almost thornless; 30 cents each.

WHITE ROSES

- BESSIE BROWN** (H. T.). White, sometimes faintly flushed pink; a rose of transcendent beauty. One of the largest and fullest we have ever seen; an erect and vigorous grower, flowering profusely all summer; 25 cents each.
- BRIDE** (E. T.). A white rose of very large size. Its form is perfect and fragrance unexcelled. It is a vigorous grower and a free bloomer; 25 cents each.
- CLOTHILDE SOUPERT** (Pol.). A polyantha rose; pearly white, shading to white at edge; 25 cents each.
- KAISERIN AUGUSTA VICTORIA** (H. T.). A hybrid tea rose of a soft pearly white color, tinged in the center with lemon. It is very fragrant; a strong, vigorous grower; 25 cents each.
- WHITE BABY RAMBLER** (New). Pure white flowers, 35c each.
- WHITE LA FRANCE** (H. T.). Being a sport from La France, it has the same form and habit. It is pure white, with a rich fragrance; 25 cents each.
- WHITE MAMAN COCHET** (E. T.). A pure white, hardy, ever-blooming rose of superior size, fragrance and profusion. Rivals the best; 25 cents each.

YELLOW ROSES

- ETOILE DE LYON** (T.). This is considered one of the finest yellow bedding roses for outside planting; one of the hardiest in the Tea section, blooms freely, and every flower is a gem; equals Marechal Neil in size, strong bushes; color deep chrome yellow, a remarkable rose, deserving extensive culture; 35c each.
- MADAM LOMBARD** (E. T.). An incessant bloomer, and strong grower, producing fine flowers of a rosy-bronze, shaded with carmine. A novelty, very fragrant; 25 cents each.
- MARIE VAN HOUTTE** (E. T.). Pale, creamy yellow, edge of petals shaded salmon-pink. 35 cents each.
- MME. PERNET DUCHER** (The Yellow La France). (H. T.). Flowers semi-double; beautiful buds, which are borne in great profusion; color bright canary yellow; 25 cents each.
- PERLE DES JARDINS** (E. T.). This is a Tea Rose of a rich shade of yellow, and is unexcelled by any rose of its color; large flowers, perfect form, healthy, vigorous grower; 35c each.
- SAFRANO** (E. T.). An old standard variety, highly valued for its handsome buds and flowers; of bright apricot-yellow, changing to orange. A fine outdoor variety; 25 cents each.

CLIMBING PLANTS

AMPELOPSIS QUINQUEFOLIA (Virginia Creeper). A rapid grower, and one of the best deciduous vines. Clings to the wall or fence without being tied; 25 cents and 35 cents.

VEITCHII (Boston or Japanese Ivy). A deciduous climber of great prominence; rapid grower and self-supporting to the wall; hardy and thrives well in any good soil; leaves dark green in summer, turning to lovely shades of red and bronze in the autumn; 25 cents and 35 cents.

BIGNONIA TWEEDEIANA. For covering walls and out-buildings this is one of the best vines, being of clinging habit; flowers clear yellow; 25 cents each.

VENUSTA. The most popular of the Bignonias. Dark green leaves and great quantities of orange-yellow flowers, which come in clusters; 35 cents and 50 cents.

BOUGAINVILLEA

This beautiful climbing plant, with its luxuriant growth and great abundance of showy flowers which are produced in masses, colors ranging from a delicate lavender to a deep magenta, and brick-red, is undoubtedly the most popular climbing evergreen plant in cultivation. It is a free bloomer and does remarkably well when planted in a warm exposure.

BRAZILIENSIS. A very fine variety, blooms continually. Color about the same as Sanderiana and heavier foliage. The most rapid grower; four inch pots (mailing size) 25 cents each, gallon cans 50 cents, five gallon cans \$1.00, \$1.50 and \$2.00 each.

GLABRA SANDERIANA. Color a rich magenta. Plants in 4 inch pots 35 cents each, 6 inch pots or gallon cans 50 cents to 75 cents each; large plants in 5 gallon cans \$1.25.

LATERITIA. A rare and distinct variety. The flowers are of a peculiar shade of red and greatly admired. Price, 12 to 18 inch, \$1.50; 18 to 24 inch, \$2; 2 to 3 ft. \$3.50; 3 to 4 ft. \$5 and \$6.

SPECTABILIS. Color, carmine-purple. Plants in 4 inch pots 50 cents each, 6 inch pots or gallon cans 75 cents to \$1.00.

COBÆA SCANDENS. A rapid climber, with purple bell-shaped flowers; 25 cents each.

White. Similar to former in habit of growth; 25 cents each.

DOLICHOS (Australian Pea Vine). A most desirable vine for covering fences and outbuildings. A very rapid grower and covers in very thickly; requires no extra care, and blossoms the year round; flowers pea-shaped, rosy-purple; 3 inch pots 15c each, \$1.50 per dozen; 4 inch pots 20c each, \$2 per dozen.

FICUS REPENS (Climbing Rubber). This is most excellent for brick or stone walls and fences. All but the fruiting branches lie perfectly flat against the wall, making a perfect mosaic; 4 inch pots 35 cents, \$3.50 per dozen.

HEDERA HELIX (English Ivy). Too well known to need describing. The thick, glossy green foliage and sturdy growth of this vine has made it a universal favorite; 4 inch pots 25 cents and 5 inch pots 35c each; plants in gallon cans 50c and \$1.00 each.

HELIOTROPE. See page 32.

HONEYSUCKLE. See Lonicera.

IVY. See Hedera.

IPOMOEA LEARII. (Blue Moon Flower). 3 inch pots, 25c each.

MEXICANA GRANDIFLORA ALBA. (True White Moon Flower). 3 inch pots, 25 cents each. (See cut page 50).

JASMINUM GRANDIFLORUM. White. Blooms almost perpetually during the summer and fall. 25 cents and 35 cents.

GRACILIS. White; a very graceful vine. 25 cents each.

PRIMULINUM. Flowers very large, rich golden yellow in color, measuring two inches in diameter; 50 cents.

REVOLUTUM. A vigorous variety; can be grown as vine or shrub; covered with rich yellow flowers all summer; 25 cents and 35 cents; one gallon can 50 cents.

LONICERA HALLIANA (Hall's Japan). Evergreen, vigorous, climber. Flowers pure white, changing to yellow, very fragrant, flowering very heavily during the summer and fall; 25 cents and 35 cents.

JAPONICA AUREA RETICULATA (Japanese Golden-Netted). Flowers yellow, very fragrant. Evergreen; 25c and 35c.

LONICERA SINENSIS (Chinese). White and pink; very fragrant. One of the best hardy climbers in cultivation; thrives well; a free bloomer; 25 cents and 35 cents each.

MANDEVILLA SUAVEOLENS (Chili Jasmine). White, very fragrant; deciduous; 35 cents each.

MUEHLENBECKIA COMPLEXA (Wire Vine). Rapid growing twining vine, with dark wiry stems and tiny leaves. Sometimes called Maiden Hair Vine. Fine for covering fences, trees, arbors, etc.; 25 cents.

PASSIFLORA (Passion Vine). (See cut page 51.) We can supply these favorite vines in the following colors: scarlet, white, pink and lavender; 35 cents each.

PLUMBAGO. (See page 32.)

POTATO VINE. See Solanum.

SMILAX. A well-known climbing plant much used in floral work, festooning, etc. From flats: 5 cents each, 50 cents per dozen. Fine plants from 3 inch and 4 inch pots 10 cents, \$1.00 per dozen and 15 cents each, \$1.50 per dozen.

SOLANUM JASMINOIDES (Potato Vine). A very rapid growing vine, with dark green leaves. Flowers white with yellow centers; 25 cents and 35 cents each.

WENDLANDII. A splendid climber with delicate light blue flowers and large green leaves; deciduous; 35c to 50c each.

TECOMA AUSTRALIS. Rampant grower, elegant thick foliage, flowers small, produced in great profusion. Creamy white.

GRANDIFLORA (Chinese Trumpet Vine). Beautiful trumpet-shaped blossoms of bright orange scarlet are produced in great quantities all summer. Plants 50 cents each.

CAPENSIS. Bright scarlet flowers. A fine plant for the sunny side of the house; 35 cents and 50 cents.

JASMINOIDES. White and purple; 25 cents.

MACKENNI. A very vigorous growing vine, and free bloomer; pink flowers; 25 cents and 35 cents each, in gallon can 50 cents.

RADICANS (American Trumpet Vine). A strong growing vine, more slender than the Grandiflora. The flowers are longer and narrower. Rich scarlet color; 35 cents and 50 cents.

TRADESCANTIA (The Wandering Jew). Fine for hanging baskets, for jardinières and vases. It will cover the ground quickly if grown on partial shade. Colors green and variegated; 3 inch pots 15 cents each; \$1.50 per dozen. Cuttings 35 cents per dozen, \$2.00 per 100.

WISTARIA SINENSIS. Light blue; the best of all deciduous climbers. Flowers in early spring. This beautiful Japanese plant has no equal; long racemes of most attractive flowers. Small plants 50 cents; large size \$1.00 each. (See cut, page 51.)

ALBA. Same as above with white flowers; 50 cents to \$1 each.

MULTIJUGA ALBA AND COERULEA. Are grafted on the common varieties, consequently are vigorous growers and free bloomers. The racemes of flowers often attain a length of two feet; deciduous; \$1.25 to \$2.00 each.

GRASSES

GYNERIUM ARGENTEUM (Pampas Grass). Makes a fine tropical effect on lawns. Small clumps 50c, large \$1.00 each.

LIPPIA REPENS (Creeping Lippia). An excellent lawn grass.

Does well where blue grass or clover does not thrive. Used for lawns, parkings, tennis courts, etc. Requires much less care than other lawn materials. In flats, enough to cover about 100 square feet, 75 cents each and \$1.00 each; \$8.00 for 10 flats.

PESEMRYANTHEMUM. In flats (100 plants) \$2.00.

PAPYRUS ANTIQUORUM. A tall, graceful plant, very ornamental. Prefers a moist situation. In gallon cans 50 cents each. Large plants in 5 gallon cans \$1.00 to \$1.50.

AQUATIC PLANTS

WATER HYACINTH—15 cents and 25 cents each.

PARROT FEATHER—5 cents each, 50 cents per dozen.

WATER LILY—75 cents each.



WATER LILIES

CHRYSANTHEMUMS



COLONEL APPLETON

Chrysanthemum plants ready for delivery about April 20; 15 cents each, \$1.25 per dozen. By mail 25 cents per dozen extra.

CULTURAL NOTE—Permit the plants to grow freely during the summer; water well during the dry season, giving an occasional mulch of well-rotted manure. In case the growth is extra rank, cut back during the middle of August; select the best shoots on new growth, pinching off the remainder. A good strong plant will carry from seven to ten shoots, and these in turn should carry one large bloom each. The best variety will produce small blooms, if the disbudding is not well and thoroughly done. Carefully select each bud for blooming, removing all other buds and side growths.

AMATEUR CONSEIL. A fine addition to our list of reds, somewhat lighter in color than Black Hawk, but much larger and finer. Blooms reflexed and twisted.

SCALARANDIS. Is a grand variety. Its excellent dwarf habit, bright golden yellow flowers and heavy over-lapping foliage produce a beautiful effect.

BESSIE GODFREY. A broad petaled canary yellow, incurved, bright and glistening. The form is all that could be desired. Can be grown to enormous size.

BRAUNT. A reddish bronze, incurved of large size. A fine exhibition bloom.

BLACK HAWK. The darkest chrysanthemum extant; when well grown it produces a good medium sized bloom of the darkest shade of crimson it is possible to imagine.

COLONEL APPLETON. A prize winner wherever shown. Flowers enormous in size, golden yellow in color. In the east a standard variety for market work. Keeping qualities the best. Unsurpassed at mid-season.

ETOILE DU NORD. This variety stands out pre-eminently as the richest yellow in the collection. It does finely in full sun and produces blooms which are marvels of beauty. The form and general make-up of bloom leaves nothing to be desired. Stems clothed with dark green foliage right up to the flowers.

GOOD GRACIOUS. A standard variety, which throws a fine large bloom. Petals long, narrow and incurved. Makes a huge flower when well grown. Bright pink.

LAVENDER QUEEN. A very large reflexed lavender pink. Grand in form, foliage and habit.

M. PECHON. An enormous incurved golden yellow. Petals of medium width. Blooms very double and carried on very high stems. Quite distinct in form from other yellows in the set.

MME. A. MARMOTEL. An enormous exhibition variety. Perfectly double flowers. Petals rather narrow and gracefully incurved. Color rosy purple.

MADAM SIMON JOSSIER. A new French variety, and without any doubt one of the grandest of all. It shows a marked advance over the whites of former years. The blooms are of the largest exhibition size, creamy white in color and carried on thick stiff stems. A gem in every sense.

MADAME PAOLO RADAELLI. Creamy white, tinted rose. A deep incurved bloom, with outer reflexed petals. Very large.

MADAM R. OBERTHEUR. A grand white, with immense reflexing and incurved blooms. The petals interlaced and twisted. It is quite different in form and character of build from other whites in the set.

MRS. H. W. RIEMAN. Deeper in color than Golden Wedding. Florets regularly incurved, very double blooms and the latest of all golden yellow varieties to flower. By taking a second bud, it can be had in perfection at Christmas time, when its magnificent bloom commands a high price.

NELLIE POCKETT. A superb variety from Australia and regarded as the highest and most refined type it is possible to produce. Petals very long, drooping and interlaced; of great depth and breadth. Creamy white.

ROI DE ITALIE. Lovely deep yellow flowers of great size and substance. The plant is strong growing, and if planted early it will perfect ten to twelve blooms. Foliage dark green and very leathery in texture.

YELLOW PRINCE. A tawny orange. Belongs to the same class as Good Gracious, being identical in all respects save color.

BEDDING AND BORDER PLANTS

ACHYRANTHUS. Deep bronzy purple foliage. A splendid bedding or border plant. Produces a very rich effect and may be trimmed to any desired shape. Strong plants from flats 50 cents per dozen, \$3.00 per 100.

AGAPANTHUS UMBELLATUS (Blue African Lily). Flower-stalks 2 or 3 ft. high; from 30 to 100 lily-like flowers of a lively sky-blue color. Too large to mail; 50 cents each.

ALTERNANTHERA. These are fine foliage plants for carpet bedding, edges of beds, park designs, etc. Two colors, yellow and red; 25 cents per dozen; \$2.00 per 100.

ASTERS

(See illustration and description page 42.)

ASTERS (Giant Comet Branching). A wonderful improvement over the common sorts. The color effect must be seen to be appreciated. The blossoms in size and beauty resemble the chrysanthemum, the curved petals making a brilliant display; fine for cut flowers; 25 cents per dozen, \$2.00 per 100.

BEGONIAS

All the species of Begonias are interesting and beautiful ornaments adapted for the conservatory or window, and well adapted to amateur cultivation, their culture being very simple in any rich soil if allowed an abundant supply of water. Our assortment of these magnificent plants includes all the best sorts for out-door bedding and house culture, beautiful flowering varieties, and the much admired Rex Begonias. We can supply fine plants as follows:

BEDDING VARIETIES. Three inch pot 10 cents, \$1.00 per dozen.

FLOWERING VARIETIES for the house; 4 inch pot 25 cents, 5 inch 35 cents, 6 inch 50 cents each.

REX VARIETIES. Five inch pot 50 cents, 6 inch 75 cents each; 7 in. \$1 to \$1.50 each.

CANNAS

Price, unless otherwise noted, strong dormant roots, each 25 cents; per dozen \$2.50.

CH. DREVET. A very distinct Poinsettia red. Growth medium as to height and very compact. Foliage light green.

COMTESSE DE BRETEUIL. Very large blooms of a distinct shade of rose. Late in season it comes edged with gold, producing a striking contrast. Clean dwarf growth. Extra good.

ERNST WIELAND. One of the best pure orange scarlets, with blooms of remarkable size. Foliage thick and leathery.

E. STEINKOFF. A giant flowered variety of great merit; in fact largest flower we have ever seen in the Crozy class. Color rich crimson scarlet, heavily spotted with vermilion. In full sun the flowers appear to be burnished. Petals of enormous breadth and length. Foliage purplish bronze. Extra fine.

FRAU GENERAL VAN ALTEN. A very fine sort. Color a rich cinnabar red, the edge of each petal bordered with gold. Flowers have four very large petals of fine form and substance. Foliage light bronze.

FRAU MARIE NAGEL. The nearest approach to white yet attained in the cannas. Flowers of good size; trusses large and branching. At a distance this variety appears white, and for all practical purposes in color effect it can be so used. Foliage green. Habit dwarf.

FURST WEID. Pure crimson, of a clean even shade; below the average in dwarfness. The trusses clear nicely, giving the plant a clean appearance at all times. Price 25 cents.

MRS. KATE GRAY. The first hybrid between the Crozy and Orchid flowering classes. Flowers gigantic in size. Color rich orange scarlet, overlaid with gold. The trusses are always bright and fresh.

KARL RADE. Citron yellow, densely spotted with light red. Blooms large and four-petaled. Foliage green.

KARL SCHMIDT. Light orange red. Flower perfect in form and composed of four large, well-rounded petals. Foliage light bronze. A very effective bedding variety.

RUDOLPH PROWE. We believe this variety to be the most richly colored canna in existence, in fact it would be difficult to imagine anything better. The blooms are only of medium size, but are carried well above the foliage in immense trusses. The color is an absolutely vivid crimson, with velvety lustre.

R. WALLACE. A superb light canary yellow. Flowers enormous and carried in upright, well-branched trusses. The height of growth is only medium but its compact nature gives the plant in bloom the appearance of a huge bouquet. The very finest yellow to date. Each 25 cents; per dozen \$2.50.

CACTUS DAHLIAS



CACTUS DAHLIA

These magnificent flowers are as easily grown as the "Decorative Dahlias," but surpass them in beauty and gracefulness of form. The petals of some of the varieties are peculiarly twisted, giving them more the appearance of Chrysanthemums in marked contrast to the stiff petals of the old-fashioned sort. Price 25 cents each or \$2.50 per dozen.

A. C. DAVIS. A lovely medium sized bloom; in color a delicate shade of lavender pink.

COCKATOO. Variable in color arrangement, but always beautiful. In fact, one of the finest fancy Cactus Dahlias. Clear canary yellow, shaded fawn and tipped pure white.

EARL OF PEMBROKE. A nicely built flower, composed of numerous petals of a good clean shade of purple. It shows off well under artificial light; makes it useful for decorative work.

E. BONNEFOND. This superb variety is undoubtedly one of the finest scarlet Cactus Dahlias in cultivation. The blooms are enormous size, perfection in form, and an intense scarlet color.

GREENS WHITE. A lovely pure white with long tapering petals. Flowers of medium size.

HOHENZOLLERN. Apricot yellow. The color is well displayed in the large incurving blooms. Extra choice.

KING OF SIAM. Intense glowing scarlet. Flowers very large, with beautifully arranged petals.

MRS. CARTER PAGE. A splendid shade of deep crimson. The petals are so curved and narrow that the flower has more the appearance of a chrysanthemum. Extra choice.

PRIMROSE. Light sulphur yellow, with splendid stems and flowers carried well above the foliage. Free bloomer.

PROGENITOR. Beautiful carmine crimson lake, every petal being furcated at the end like a stag horn fern, and forming several points, each having a fluted termination. Very fine.

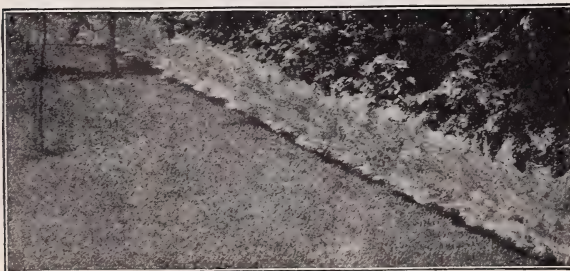
THE PILOT. This variety is another good representation of the new shades developed in Cactus Dahlias during recent years, and is worthy of being in the most select collection. Terra cotta, with the base of the petals deep yellow.

RUBY GRINSTEAD. A fine exhibition variety. The color is a soft tinted yellow, gradually merging to rosy fawn at the tips. Flowers large and of striking form. Extra good.

THURINGIA. A very large and elegantly formed bloom. Petals long and narrow. Color bright orange red.

WM. CUTHBERTSON. Deep crimson, with excellently formed blooms. A good cut flower, on account of its long, wiry stem.

CENTAUREA CANDIDISSIMA (Dusty Miller). A useful border plant with silvery white foliage. As an edging for scarlet Geraniums, etc., it has no equal. Price 50 cents per dozen in flats; 75 cents per dozen in 2½ inch pots.



CENTAUREA CANDIDISSIMA

BEDDING AND BORDER PLANTS (Continued)

CARNATIONS

From 3 inch pots 75 cents per dozen. By mail 25c extra.



MRS. THOS. LAWSON

ALLEGRIA. The very best bright scarlet variety; a strong grower, long stems and very thrifty.

JAS. CORBETT. A splendid, strong-growing variety, producing great quantities of large, handsome flowers; salmon-pink.

DR. CHOATE. This beautiful, light scarlet variety should be in every garden; one of the best for general purposes; very fragrant.

ELDORADO. A beautiful light yellow carnation borne on long stems. Very thrifty and blossoms profusely.

ENCHANTRESS, PINK. The grandest of all carnations; the flowers are the largest and borne on long stems; color a beautiful shade of light pink.

ENCHANTRESS, WHITE. One of the best large white carnations, similar in size and character to Pink Enchantress.

FAIRMAID. Shell pink, one of the best Pink Carnations grown. It is excellent for cut flowers and is sold by all leading florists.

HARLOWARDEN. Rich, velvety crimson, producing a great abundance of very large flowers, delightfully scented.

LOS ANGELES. Most beautiful pure white carnation; plants bushy and compact; a strong grower, producing great quantities of fragrant flowers on long stems.

MRS. THOS. LAWSON. This popular carnation is well known for its large, beautiful flowers of rich pink, on long stiff stems; a strong grower and one of the best.

PROSPERITY. Another one of the giant flowering sorts, being very full and fragrant; color white blotched with pink.

ROOSEVELT. The best bright crimson, excellent flowers and produced in great abundance.

VARIEGATED CORBETTE. Large white, with pink splashes through the petals.

COLEUS. We grow a large assortment of these beautiful decorative plants; 15 cents, 25 cents, 35 cents and 50 cents each.

COLUMBINE. A very showy bedding plant; 1½ ft. high, blooming freely during spring and early summer; fine for cutting; 3 and 4 inch pots 15 cents each; \$1.50 per dozen.

COREOPSIS LANCEOLATA. The best bedding plant for show. A rapid grower and produces great quantities of handsome golden yellow flowers all summer; long stems and a favorite for cutting; 10 cents each, \$1.00 per dozen, \$6.00 per 100.

DAISIES



BURBANK'S GIANT SHASTA DAISY

ENGLISH. One of the best border and bedding plants. Dwarf; mixes well with pansies and other low growing plants; free bloomer. Colors, white, pink and red; 25c per doz; \$2 per 100.

MARGUERITE. A fine bedding plant. White blossom with yellow center. Height two to three feet; 10c each, \$1 per doz.

MARGUERITE ALEXANDRIA (New). A great improvement over single varieties. The center, instead of being yellow, is filled with small white petals, leaving a double effect; 15 cents each, \$1.50 per dozen.

BURBANK'S GIANT SHASTA. A vigorous growing perennial plant of great value, both for decorative and commercial purposes. The large pure white flower, with their yellow center and long stems is rapidly becoming one of the best for cut flowers. A very free bloomer and greatly admired; should be in every garden. Strong young plants 10 cents each, \$1.00 per dozen, 15 cents each, \$1.50 per dozen. Large plants 25 cents each, \$2.50 per dozen in one gallon cans.

TRANSVAAL (Gerbera Jamesonii). This magnificent scarlet Daisy, practically new to the average person, is rapidly coming to the front, due to its great attractiveness and flowering merits. The keeping qualities of the flower when cut are wonderful and the dazzling scarlet color gives a rich effect when used for decorating. Thrives best in rich loamy soil and sunny location. Strong plants 50 cents each in one gallon cans.

BEDDING AND BORDER PLANTS (Continued)

GERANIUMS

Choice Single Varieties

10 cents each, \$1.00 per dozen, \$8.00 per hundred

GERTRUDE PEARSON. Brilliant clear rose pink, white eye.

JACQUERIE. Large, attractive flowers with rich, velvety color.

JOHN FORBES. A very good dwarf variety, good bushy foliage.

Excellent bedding and pot plant. Color, vivid scarlet.

JEAN VIAND. Large, semi-double, rosy-pink flowers, with white eye. Blooms entire season. Similar to Gertrude Pearson, but larger blossoms.

SNOW DROP. A pure white. Perfectly round flowers, dwarf habit. The most beautiful white geranium grown.

GENERAL GRANT. Bright vermilion scarlet, full, round florets, borne in large trusses on long stems, strong and vigorous.

CHOICE DOUBLE VARIETIES

10 cents each, \$1.00 per dozen, \$8.00 per hundred

BEAUTE POITEVINE. Enormous blossoms, soft salmon pink color, shading deeper toward center.

LA PILOT. Orange scarlet, medium size flowers. A favorite for the distinguished coloring.

MADAME A. CHEVRELIERRE. The best double white grown.

S. A. NUTT. Best of the dark crimson-scarlet. Stands the sun perfectly and always covered with a mass of blooms.

MISCELLANEOUS GERANIUMS

75 cents per dozen; \$6.00 per 100.

APPLE BLOSSOM. Soft, delicate foliage; small, white flowers shaded with pink, with odor of the apple blossom.

IVY-LEAVED GERANIUM. Fine for window-boxes, bedding or hanging baskets. Can supply excellent plants in the pink, red, and white colors; 15 cents each, \$1.50 per dozen.

MADAME CELEROY. For border. Variegated silver and green foliage. Grows about six to eight inches high.

ROSE GERANIUM. Small flower. Popular for its scented foliage.

PELARGONIUM

PELARGONIUM or "Lady Washington Geranium," as it is commonly called. The flowers are large and free blooming, comprising a series of colors which are beautiful beyond description; 20 cents each, \$2.00 per dozen.

GOLDEN FEATHER

GOLDEN FEATHER (Pyrethrum). Deeply fringed and cut foliage, with compact habit of bright golden yellow color. A fine plant for edging beds. 25 cents per dozen, \$2.00 per 100.

LOBELIA

LOBELIA (Crystal Palace). A splendid dwarf variety, covered during the spring with masses of ultra-marine blue flowers. 50 cents per dozen, \$2.50 per 100.

PANSY

GERMAIN'S PRIZE PANSIES. The demand for Germain's Prize Pansies last season was so heavy and so continuous that we had to make arrangements this year for a greatly increased supply, which we are handling entirely in our Nursery, growing plants from our own selected seed described on page 60 in this catalogue. Improvements there noted in the seed are also shown in the plants. We have no hesitation in saying that they are the best obtainable both for size and variety of color. Our strain is unsurpassed, containing as it does all that is best in imported stock and undergoing the most rigid selection from plants grown at our trial grounds here.

GERMAIN'S PRIZE PANSY. In separate colors or mixed, 50 cents per dozen, \$4.00 per 100.

GERMAIN'S GIANT FRINGED PANSY. In separate colors or mixed, 50 cents per dozen, \$5.00 per 100.

MISCELLANEOUS PANSY PLANTS. In separate colors or mixed, 25 cents per dozen, \$2.00 per 100.

PENTSTEMON

PENTSTEMON. For show and cut flowers, this is among the best. A perennial plant with flower stalks 18 inches to 3 ft. long. Being constantly in bloom, makes it a valuable decorative plant. Every lover of flowers should have a bed of our Giant Penstemons; 15 cents each, \$1.50 per dozen.

PETUNIA

PETUNIA (See cut, page 61). We have the very finest double and single large flowering fringed varieties. These can be grown successfully out-doors, and as a free blooming plant for beds, they have no superior; 15 cents each, \$1.50 per dozen.

PHLOX

PHLOX (Perennial). Our collection of these beautiful spring and summer flowers comprises all the best flowering varieties and colors. Strong field grown clumps at 20c each, \$2 per doz.



GERMAIN'S GIANT PRIZE PANSY

SALVIA

SALVIA SCARLET. A bed of this excellent summer bedding plant when in full bloom, with its spikes of bright scarlet flowers and green foliage, makes a striking effect, and must be seen to be most appreciated; 10 cents each, \$1.00 per dozen.

PATENS. Similar to the former in many respects, but being blue, is hardly so attractive. 10 cents each, \$1.00 per dozen.

SANTOLINA

A well-known and useful border plant, which may be trimmed into neat little hedges. Growth short jointed, compact and silvery white in color; 25 cents per dozen, \$1.75 cents per 100.

VERBENA

VERBENA. A fine bedding plant, with running habit. Often used in parkways. Colors in scarlet, purple, pink and white. In flats \$3.00 per 100; two and a half inch pots 50 cents per doz.

STOCKS

See Cuts Page 49

STOCKS. A fine bedding or border plant, with spike-shaped flowers. Colors, crimson, flesh, pink, white and lavender; 25 cents per dozen, \$2.00 per 100.

VIOLETS

CALIFORNIA. Grown all over the country for cut-flowers. Flowers very large and fragrant; stems often a foot long; 50 cents per dozen.

PRINCESS OF WALES. The largest Violet in cultivation. The flowers open out flat, similar to a pansy, and are deliciously fragrant. Productive long-stemmed variety; 50c per dozen.

SWANLEY WHITE. Color, white; very fragrant. 50c per doz.

POULTRY SUPPLIES

Germain's can easily substantiate the claim of being the largest jobbing and retail poultry supply house in the Southwest. With a tremendous buying power we are enabled to offer our customers not only absolutely fresh stocks in foods and the latest devices in accessories, but the very bottom in prices.

The rapidly increasing importance of this department has necessitated separating the poultry supplies from this general catalog; and it will now be issued in more complete form, devoted exclusively to poultry and kindred interests.

We carry complete lines for the

Poultryman

Stockman

Pet Fanciers

WE ARE SOLE DISTRIBUTORS

And in many cases exclusive agents for the following well known and standard lines:

Cyphers Incubators and Brooders

Queen Incubators and Brooders

International Sanitary Hovers

Cycle Hatchers and Brooders

"Hatchalot" Incubator

Coulson's Egg and Poultry Foods

Conkey's Poultry Remedies and Tonics

International Poultry Remedies and Tonics

Lee's Poultry Remedies, Egg Maker and Lice Killers

Pratt's Stock and Poultry Tonics

Blatchford's Calf Meal

Spratt's Dog Foods and Remedies

Dr. Clayton's Dog and Cat Remedies

Lindemann's Bird Cages and Supplies

Special Literature. We have much special literature, covering a wide range of information for the feeding and treatment of diseases of poultry, stock, cats, dogs and birds. Write us your queries and we will mail you the proper booklet, or if necessary our expert will write you a special letter on the subject.

ASK FOR COMPLETE POULTRY SUPPLY CATALOGUE

FERTILIZERS

The Germain Seed and Plant Company offer to the public a new brand of fertilizers manufactured and compounded under our own direction, which will be known as the NUVIDA FERTILIZERS. We can state unhesitatingly that these products are superior to most of the brands before the public today, and we guarantee them as to their purity and fertilizing value. We are in a position to furnish a fertilizer of any composition so that if one wants an orange special, or something especially adapted to olives or peaches and the like, we can furnish it to him on short notice.

Nuvida Fertilizers. Germain's Lawn and Garden Special. We recommend this especially for lawns, flowers, and the small garden. We feel certain that there is no other product on the market which will give as good results when used for the same purposes, as this NUVIDA FERTILIZER. It is sown like grain and after sprinkling, the material is removed from sight. In a very short time probably less than a week, you will see the good results in the rich, green coloring of your lawn, or the luxuriant growth of your flowers and plants. Use at the rate of 10 pounds to 300 square feet.

12 pounds.....	\$0.50	25 pounds.....	\$1.00
50 pounds.....	1.60	100 pounds.....	3.00

Germain's Vegetable Special. This NUVIDA FERTILIZER is compounded especially for the truck gardener. It is higher in potash content, which is due to the fact that the usual truck crops require a higher percentage of that element in order to promote the optimum growth.

10 pounds.....	\$0.50	25 pounds.....	\$1.00
50 pounds.....	1.75	100 pounds.....	3.25

Germain's Superphosphate Nuvida Fertilizer. We strongly urge alfalfa growers to use a good superphosphate and notice the wonderful results. Our product is made from phosphate of lime and not from bone, thereby resulting in a very clean substance containing no harmful impurities. The phosphoric acid content is about 18 per cent; 100 pounds \$2.50. Ask for prices in large quantities.

Germain's Lime Carbonate. A very finely ground carbonate of lime which is 96 per cent pure. It is unexcelled for neutralizing acidity and your sour lawn or garden will show wonderful improvement by using it; 100 pounds \$1.50. Much lower rate by the ton.

Bradley's Lawn and Garden Fertilizer. A well known popular brand, very successful, and of high degree of purity. One of the best commercial fertilizers on the market; 100 pounds \$3.00.

Domoto Plant Food. A highly concentrated fertilizer, very successful in inducing good growth in lawns, flowers, etc. 25 cent packages.

Gypsum Plaster is the highest form of Gypsum that can be manufactured. Price, \$1.00 per 100 pounds, \$4.00 for 500 pounds. Prices on larger quantities quoted on request.

Leaf Mold. Fine for mixing in soil for potting house plants, ferns, etc. Per sack 75 cents.

Muriate of Potash. A form of potash salts to be used with bone meal and pure dried blood or natural fertilizers on fruits, celery, asparagus, corn, oats, turnips, cucumbers, grapes, carrots, onions, peas, clover and beans. It should not be used on potatoes, flax, sugar beets, cabbage or cauliflower; 100 pounds \$3.50.

Nitrate of Soda. A fertilizer very quick in action and used for the nitrogen it contains. It creates rapid growth, is odorless, very quickly and entirely soluble. It should be applied only when the plants are above ground, usually in combination with other chemical fertilizers. We will, without charge, if requested so to do, send information regarding the use of Nitrate of Soda on any farm or garden crop in which you are interested. 100 pound bag \$4.00.

Pure Dried Blood. Confidently recommended where a high nitrogenous fertilizer is required; 100 pounds \$3.50.

Pure Raw Bone Meal. Finely ground and of first quality; decomposes rapidly in the soil; 5 pound bag 25 cents, 50 pound \$1.35, 100 pound \$2.50, 500 pound \$11.25.

Sterling Plant Food Tablets contain nitrogen, ammonia, phosphoric acid and potash. This is a new scientific odorless concentrated fertilizer for potted plants. Takes the place of liquid manure. It starts the plants at once into a healthy and vigorous growth and makes them grow and bloom luxuriantly. They also kill worms and insects in the soil. Trial box 10 cents, mailed free. Large box 25 cents, mailed free.

Sulphate of Potash. This fertilizer is used on all crops, but especially on tobacco, potatoes, flax, sugar beet, cabbage and cauliflower. It is the best for greenhouse use; may be applied either dry or in solution, tablespoonful in twelve quarts of water is the usual amount; 100 pounds \$3.75.

THERMOMETERS

To Orchardists in Particular and to the Public in General:

Owing to the great demand, we have enlarged our thermometer department very much, and we now carry a complete line of thermometers of every sort and description, ranging from small household instruments to the very large and intricate recording thermometers and frost alarm contrivances. We wish to call to the attention of orchard men the fact that our line of self-registering thermometers, minimum and maximum, frost alarm, frost indicators, and predictors is very complete.

SELF-REGISTERING THERMOMETERS—"TYCOS"

No. 5452.	Minimum and Maximums—Black oxidized (brass scales, black japanned)—Tin case 8 in.	\$3.50
	10 inch.....	4.00
No. 5452P.	Same as above with copper case, 8 in.	4.00
	Same as above with copper case, 10 in.	4.50
No. 5498.	Zinc Flanged Scale—Minimum, 10 in.	2.00
No. 5500.	Golden Oak Back—Minimum, 10 inch.....	1.25
No. 5508.	Black Japanned Case—Minimum, 10 in.	1.00
No. 5524.	Weather Bureau Pattern with Certificate, 12 in.	5.50

HOUSEHOLD THERMOMETERS

No. 500.	Tin Case—Black Enamel.....	\$0.25
No. 5420.	Japanned Tin Case.....	.35
No. 5400.	Black Japanned Tin 10 inch (standard grade)....	1.25
No. 5101.	Cabinet—Flemish Oak Wood Back.....	1.25

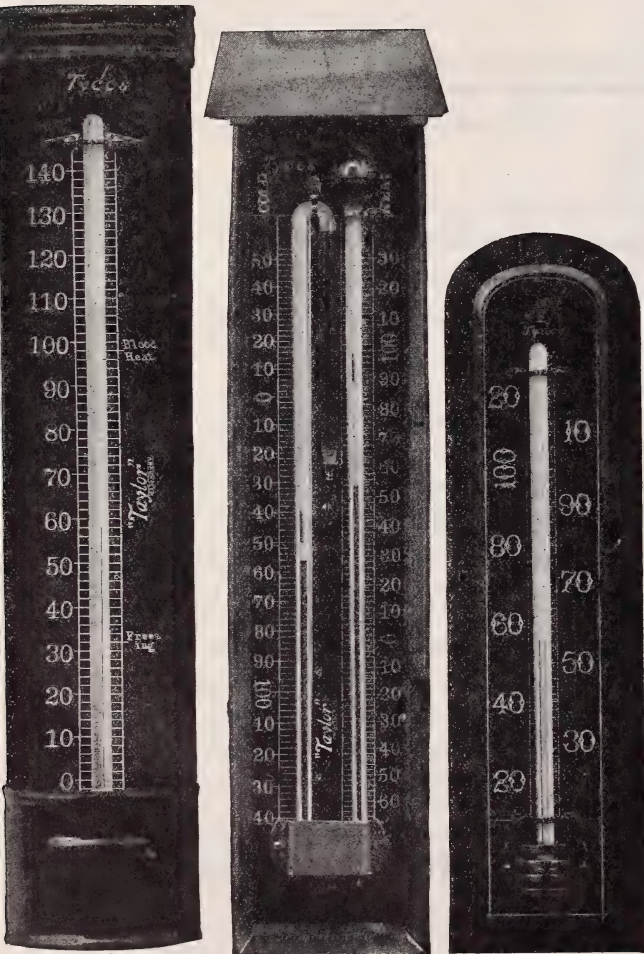
Churn Thermometers. Glass, 8 inch, 35 cents.

Churn Thermometers. Glass, 12 inch, 75 cents.

Sir Henry Cunynghame's Frost Predictor. A sure means of forecasting a frost five hours in advance, \$7.50.

The Tycos Automatic Frost Alarm. When temperature falls below 32 degrees an electric bell rings, waking up the orchard man, \$27.00.

No. 5981.	Hot Bed Thermometers for mushroom culture.	\$2.25
No. 5770.	Incubator Thermometers—Tycos Brand.....	.75
No. 5774.	Incubator Thermometers—Tycos Brand.....	.75
No. 5774E.	Incubator Thermometers, with electric light...	2.50
No. 5790.	Brooder Thermometer.....	.75
No. 5796.	Incubator Hygrometer.....	1.50



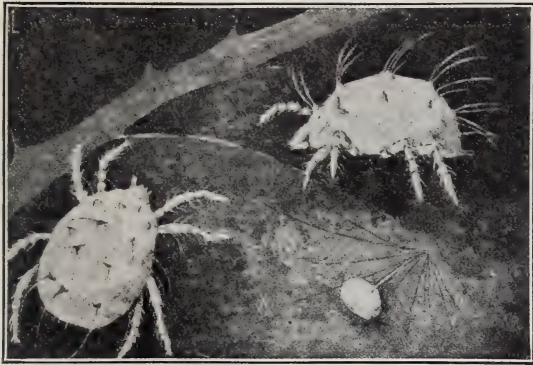
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Denotes Our Recommendation

INSECTICIDES AND GERMICIDES



Red Spider—Use Lime Sulphur

APHINE

We are sole agents for Southern California.

An effective remedy indoors and out doors for destroying green, black and white fly, mealy bug, red spider, thrips, brown and white scale, slugs and all soft bodied insects. A sure remedy for the sweet pea aphid, the melon louse, cabbage worm and the potato beetle larvae.

Aphine is a spraying material readily soluble in water, its chief ingredients being essential oils and nicotine.

It can be applied to the most delicate foliage without injury. It is an excellent cleanser for decorative stock.

Sold in four sizes, gallons \$2.50, quarts \$1.00, pints 65 cents, half pints 40 cents, garden size 25 cents.

Arsenate of Lead. The most effective of all insecticides for spraying purposes. Especially adapted for use on tender plants and foliage. This can be successfully used to suppress leaf-eating insects. Use in proportions of 2 to 3 pounds Arsenate of Lead to 50 gallons of water, or two to four pounds of Lead to 100 gallons water if a weaker solution is desired. You can judge best of the strength to be used by your local conditions and uses. Price, 1 lb. can 50c, 5 lb. can \$1.25, 10 lbs. write for quotations.

Black Leaf Forty. A solution of nicotine sulphate containing 40 per cent nicotine. The most highly recommended spray for soft bodied sucking insects such as plant lice, thrips, leaf hoppers. Also used for canker and currant worms, cherry slug, etc. Mixed with Lead Arsenate and Lime Sulphur it is at one time a remedy for scab, lice, and codling moth on a tree. Three sizes, ¼ pound 85 cents, 2½ pounds \$3.25, 10½ pounds \$12.50.

Bordeaux Mixture (Lion Brand). The great standard fungicide used for all fungus diseases of plants, such as blight, black rot, rust, scab, smut, etc. Acts both as a cure and a preventive. One gallon diluted in 49 parts of water makes a very effective spray. Quart cans 50 cents, gallon cans \$1.00.

Carbon Bisulphide. This is a liquid which when placed in a gopher or rat hole gives off fumes which are poisonous to these rodents. In the open air there is no danger to the operator. Quarts 50 cents, ¼ gallon \$1.00, gallon \$1.75.

Cooper's fungicide. The well known Bordeaux Mixture in powder form. This preparation is compounded by expert chemists and is free from any impurities. Unsurpassed for control of fungus diseases on trees, shrubs, vegetables. 1 lb. 35c, 5 lbs. \$1.25.

Fish Oil Soap (Lion Brand). A standard, well known, Whale Oil Soap, of high degree of purity, and of excellent insecticidal properties. One pound 25 cents, pound 10 cents.

Formaldehyde. It is of pronounced efficiency in destroying disease germs, affecting both animal and plant life, and is a successful preventive of fungus diseases as scab, rust, smut, etc. The dilution used is one pound (pint) Formaldehyde to 15 or 20 gallon of water. 1 lb. bottle 40c, 5 lb. bottle \$1.75, 10 lbs. \$3.

Fungine. An infallible remedy for mildew, rust and other blights. Will destroy mildew on roses and not stain the foliage; effective cure for carnation rust and chrysanthemum rust; also for tomato, celery and other blights. Sold in two sizes, gallons \$2.00, quarts 75 cents.

Hammond's Grape Dust. Kills Mildews and Blights on flowers and fruits. A readily diffusible light-weight powder, fungicide very efficient in preventing mildews and blights and destroying aphids and black fly. Twenty-five cent cartons and 5 pound bags, also in bulk.

Hammond's Slug Shot. A fine powder used either in sprayer or duster. Thoroughly reliable in killing currant worms, potato bugs, cabbage worms, slugs, etc. Also aids the prevention of blights. Pound 10 cents, 100 pounds on application.

Hammond's Thrip Juice. Excellent for scale on oranges. An arsenated compound that is very effective against scale and mealy bugs on orange trees, lemon, and fruit trees: ½ pint 75 cents, 1 pint \$1.00, 1 quart \$1.50 and 1 gallon \$5.00.

Kerosene Emulsion (Lion Brand). Very effective in destroying plant lice and all soft bodied insects that infest the foliage of plants. Full directions with each can. Quart 50c, gallon \$1.00.

Lime Sulphur (Lion Brand). The best combination insecticide and fungicide on the market. A standard remedy for the San Jose and other scales on deciduous fruit trees. A sure remedy for the pear leaf blister mite and the oyster shell bark louse. As a fungicide it ranks with the well known Bordeaux Mixture. In 3 sizes: pints 25 cents, quarts 50 cents, gallons \$1.00.

Nicotide. A fumigating compound containing over 40 per cent of nicotine, of invaluable aid to florists and gardeners. A sure remedy for mealy bug, green fly, red spider, thrips, etc. Six sizes: gallon \$15.00, ½ gallon \$8.25, quart \$4.50, pint \$2.50, ½ pint \$1.25, ¼ pint 70 cents.

Paris Green. The old reliable destroyer of all chewing insects, such as potato bugs, codling moth, caterpillars, roaches, etc. The most active poison known for this purpose. ½ pound 20 cents, 1 pound 35 cents. Ask for prices in larger quantities.



Purple Scale—Use Resin Wash

Resin Wash. The spray recommended by most horticultural authorities as the best insecticide for scale insects. The wash is easy to apply, does not clog the nozzle, and has little caustic action on the sprayers. We recommend it very highly for scale insects, red spider, mealy bug, etc. Quarts 25 cents, gallon 50 cents, 5 gallons \$2.00. Barrel price on application.

Rose Nicotine, Thompson's. Kills all plant and vegetable insects without injury to flower or plant. Also an infallible remedy for bed-bugs, house fleas, ants, etc.; 25 and 50 cent cans.

Sulpho Tobacco Soap. A combination insecticide and fungicide. A good cure for aphids and other soft bodied insects, and also a remedy for mildew. Makes a fine wash for trees and bushes; 3 ounce package 10 cents, pound 20 cents, 1½ pound \$3.00.

Sulphur (Finest Resublimed). Prevents and cures mildew on peas, roses, beans, grapes, etc. Use no other if you wish results. Also an excellent fumigant for rooms and poultry houses. Pound 25 cents, 100 pounds \$2.50.

Tobacco Dust. For green and black fly, plant lice, etc. Apply when foliage is moist. A fertilizer and a preventive against insects in the ground; 10 cents per pound.

Tobacco Dust. For green and black fly, plant lice, etc. Apply when foliage is moist. A fertilizer and a preventive against insects in the ground; 15 cents per pound.

Tobacco stems. For fumigating greenhouses, destruction of insects, etc.; fine insect repellent in chickenhouses. Sack 75c.

Tobakine Liquid. A nicotine compound for spraying or fumigating. Very effective against green fly, mealy bug, scales and all soft bodied insects. Five sizes: ¼ pint 75 cents, ½ pints \$1.50, 1 pint \$2.50, ½ gallon \$9.00, 1 gallon \$17.50.

Tobakine Fumigating Paper. A specially prepared paper, partially saturated with nicotine, making a very convenient insecticide for fumigating flowers. Especially adapted for roses, carnations, chrysanthemums, heliotrope, etc. Cans \$1.00.

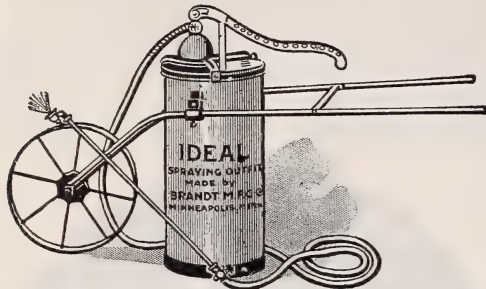
Tree Tanglefoot. For protecting trees against climbing insect pests in a simple, economical and effective way, use Tree Tanglefoot—a sticky substance applied directly to the bark of trees. One application remains sticky on the trees three months fully exposed to the weather. Easily applied with a small wooden paddle; 1 pound will spread 8 feet long by 5 inches wide, 1-16 inch thick. Will stay on tree three months; 1 pound can 50c.

Whale Oil Soap. An excellent and inexpensive means for killing plant lice and scale insects. Makes a good wash for trees and plants, kills insects and their eggs on the bark. Contains 66 per cent whale oil, which is a greater per cent than any other soap on the market; ¼ pound 10 cents, ½ pound 15 cents, 1 pound 25 cents. In large quantities we quote very low prices.

SPRAY PUMPS, NOZZLES, APPLIANCES

SPRAY OUTFITS

"IDEAL" SPRAY OUTFIT



This outfit is light, compact and easy to operate. The tank holds 15 gallons, is mounted so that the liquid will not slop or spill, and in a way that makes it easy to handle. The pump spreads across the top of the tank and is held firmly in place by a thumb nut. It has the largest air chamber of any spray pump of corresponding size. This enables the operator to keep a uniform pressure at the nozzle.

A mechanical agitator keeps the liquids well stirred. A fine strainer at the opening in the suction pipe prevents anything getting into the working parts of the pump.

The pump has the following equipment:
10 feet, $\frac{3}{4}$ inch Pressure Hose; 1 "Ideal" Nozzle.
8 feet Pipe Extension, in 2 pieces; 1 Brass Shut-off Cock.
Shipping weight, crated, 60 pounds.
Price, \$20.00.

THE "GARDENER'S CHOICE" SPRAYER

This is one of the most convenient spraying outfits for general use. As an all-round utility sprayer it cannot be beaten. It is particularly adapted for both the garden and greenhouse, also for orchard use, as well as for spraying livestock in the barn and livery stable. It is a splendid whitewashing outfit, as the pump is strong and durable and has a good agitator. The working parts, including agitator, are similar to the "Captain" barrel sprayer. Price \$20.00.

The Samson Double-Acting Sprayer. 125 to 150 pounds pressure for barrel or tank. The "Samson," is a powerful pump. We recommend this outfit where a large number of trees are to be sprayed, and where a heavy pressure is desired.

The pump has an extremely large air chamber (18 gallons capacity), allowing the operator to pump and rest alternately. The cylinder is brass-lined, and all other working parts, including the ball valves and seats are brass. All parts are accessible, and the air chamber can be readily taken apart. There are no stuffing boxes in this pump. Complete, with twenty-five feet of $\frac{1}{2}$ -inch hose, with couplings, pole holder, double spraying attachment and Demorel nozzles. Price \$45.00.

BARREL PUMPS

BRANTS "KING" SPRAY PUMPS

No. 5-A. These pumps are of large capacity and are very powerful. The pump cylinder is two inches in diameter by 7 inches in length with a $\frac{1}{2}$ inch stroke. The air chamber is three inches in diameter which gives great capacity and enables the operator to maintain a uniform pressure. The valves are $\frac{3}{4}$ inch bronze balls and can be removed without taking the pump apart. The pump plunger is a special design—no rubber or leather being used in its packing—and which can be tightened without removing it from the cylinder. Castings for attaching pump to the end of a barrel are furnished unless otherwise ordered. Price, No. 5-A \$15.00.

No. 6-A pump has the same construction as our No. 5. Has $2\frac{1}{2}$ inch Pump Barrel with $\frac{1}{2}$ inch stroke and a four inch longer air chamber. Has sufficient capacity to supply two leads of hose fitted with "Ideal" Double Discharge Nozzles. No equipment is furnished with pumps. Price, No. 6-A, \$18.00.

The Captain Barrel Sprayer. The "Captain" is in the front rank of all sprayers of its class. It is a medium-price outfit for the every-day farmer, fruit grower, and gardener.

The pump is made in one size with $1\frac{1}{4}$ -inch Brass Tube Cylinder, has Brass Ball Valves and Valve Seats, and Brass Plunger with improved packing. The Air Chamber is ample in capacity, and is made of $2\frac{1}{4}$ -inch boiler tubing. The discharge connection is fitted for $\frac{1}{2}$ -inch hose. Price \$11.00, with Bordeaux Nozzle.

NOZZLES

We have a complete line of every form of nozzle on the market. These include the Bordeaux, Vermorel, Sprinkling, Imperial, and many others. We also handle the various pump parts for the kinds that we sell. The prices of the nozzles range from 50 cents to \$1.50.

COMPRESSED AIR PUMPS

THE DEMING "AEROSPRA"

A compressed air sprayer of improved design with several new and valuable devices, with new features of portability and a detachable cylinder and filling device, making it the "best yet" of its kind. The operator can pump and spray at rest, until the reduced pressure requires pumping again. Price \$9.00.

"BANNER" COMPRESSED AIR SPRAYER

The Banner compressed air sprayer is made with double seamed head to stand a heavy pressure of air. It is 7 inches in diameter, 21 inches high. The tank is provided with a safety valve to prevent over pressure.

The pump is made of heavy brass, and screws into the center of the head, with a machine cut thread. The pump handle is used for charging the sprayer, and by a half turn locks into pump casting for screwing pump into tank. In this position it is also used for carrying the sprayer.

Galvanized iron..... \$5.00
All brass..... 7.50

PERFECTION" SPRAYER

The tanks are made of heavier metal than has ever been used in sprayers of this kind, are lock seamed at the corners to convex heads of metal two gauges heavier than the sides, a single seam runs lengthwise of the tank. This seam is reinforced by rivets, making the tank practically unbreakable.

The hose is attached to the sprayer at an angle so that it will not kink and become cracked and broken. The shoulder strap is attached with snaps and can be quickly and easily removed.

This sprayer will handle white-wash, water paints, Bordeaux mixtures, etc., perfectly.

For whitewash and all heavy mixtures it is necessary to use a "W. W." cap in nozzle, which is furnished with sprayers.

These sprayers are made in galvanized steel or brass, as Weight, 9 pounds empty. All sprayers tested to 60 pounds before leaving factory.

Galvanized steel... \$5.00
All brass..... 7.50

The "Brandt Easy" Sprayer is made with galvanized iron tank, and is designed for those who want a small sprayer. It works on the same principle as our regular sprayers and is equipped with shut-off nozzle and funnel. Capacity 1 gallon. Weight 3 pounds. Price \$2.50.

ATOMIZERS AND MISCELLANEOUS

THE LITTLE WONDER SPRAYER

This is a small tin atomizer very useful for house plants and flowers. Price, 35 cents.

THE NEW "MISTY"

This sprayer takes the place of the "misty" so generally sold during the past six years, and has a number of improvements over the type. The "New Misty" has a larger pump made of extra heavy tin with a pointed nose or end for contracting the air force. We retain the cross tank which prevents it from turning on its side. The tank and pump are joined by a brace 3 inches wide, butted into the seam of the tank. The tank is double seamed, without solder. The pump has $\frac{1}{4}$ inch rod, with anhydrous leather and special metal leather expanders. Price, 50c.

LIGHTNING INSECT SPRAYER

The Lightning Insect Sprayer is adapted for all kinds of spraying purposes and is used largely by gardeners and florists, as well as for spraying disinfectants of every description; also Conkey's Lice Liquid. The air chamber is 18 inches in length and $1\frac{1}{2}$ inches in diameter. The reservoir holds about one quart. Price 50 cents. Special price by the dozen.

THE "DAISY" DOUBLE ACTION SPRAYER

Works both ways of the stroke and will deliver twice the amount of liquid in same length of time as a single action sprayer. It has no valves to stick or fill up; has full-sized openings for discharging spray; has $\frac{1}{4}$ inch rod in pump; anhydrous leather and our special metal expanders. Made with extra heavy galvanized or brass tank, as ordered. Price, 75 cents.

SINGLE CONE BELLOW

Improved Single Cone Powder Bellows is recommended for spraying powder on insects, rust, smut, mildew, blight, rot in greenhouses, gardens, orchards or fields; for sulphuring plants and rose bushes it has no equal. Made in four sizes. Price 80 cents, \$1.25, \$1.75 and \$2.25.

Powder Gun. For spraying insect powder, etc. Star, 10 cents; Jumbo, large size, 25 cents; Florodora, 35 cents.

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Denotes Our Recommendation

BUCKET PUMPS

"MODOC" BUCKET PUMP

This pump is all brass, except the foot piece and handle. The cylinder, or barrel, is very large and is made of heavy, seamless brass tubing. The plunger is hollow, thus forming an air chamber which insures a steady flow of liquid. The valves are bronze balls. The plunger packing is cotton wick and can quickly be changed when necessary. The foot piece holds the pump firmly in the bucket or pail in just the proper position for work. The pump is equipped with 3 feet of ½ inch spray hose attached with clamps. Price each \$3.50.

LITTLE GIANT

Little Giant Brass Spray Pump, with agitator, complete with hose and imperial combination fine, coarse spray and solids team nozzle, with MALLEABLE FOOT REST. Price, \$3.50.

WHITEWASH SPRAYER AND FORCE PUMP

No. 28 whitewash sprayer and force pump is designed for use in pail or bucket, and will fit any size. The pump is made of galvanized iron. It is regularly equipped with 3 feet of best hose, 1 foot brass extension rod, and a brass nozzle, which will give two different sizes of sprayer. This pump is especially designed for spraying whitewash. The only pump made that will do it without clogging. More work can be done with this whitewash sprayer than with a brush, the force with which the material is applied causes it to penetrate the small crevices, making a perfect job. Price \$2.00.

Myers Bucket Brass Spray Pump. Constructed of brass—a metal that is not affected by arsenite used in different formulas for spraying. Has brass ball valves, easy to operate. It will throw a solid stream 25 feet. No. 324 is supplied with Myers Sprinkler and a "Bordeaux" Nozzle, foot rest and lever handle. Price \$4.50. No. 325 is supplied with same nozzle as No. 324. Price \$3.50. No. 327½ is supplied with an Imperial Nozzle and Myers Sprinkler Nozzle. Price \$3.00. Eight foot extension rods for Myers pumps, \$2.50 each. "Bordeaux" Nozzles for whitewashing. Price \$1.00.

The Perfect Success Spray Pump. In general construction the "Perfect Success" is the same as the Prize spray pump, but it has a special adjustable foot rest which clamps bucket and pump firmly together, so that the entire outfit may be carried in one hand. Four feet of ¾-inch hose and our "Bordeaux" nozzle are furnished. Price \$5.00.

The Prize Spray Pump is all that the name implies. Every part of the "Prize" pump is brass, with the exception of the handle and foot rest, which are of malleable iron. It is regularly provided with the "Bordeaux" nozzle. The foot rest measures 12 inches in height. The many testimonials received from purchasers of this pump are evidence of our success. Will spray whitewash or any other mixture. No leather valves. Throws a continuous stream. Packed in neat cardboard boxes. Price \$5.

GOPHER, RAT, SQUIRREL POISONS AND TRAPS

GOPHERGO

Ready and easy to use. No mixing, no waste, never loses strength. Guaranteed to do the work or your money refunded. The only thing that will get a pocket gopher, and will kill ten where a trap will get one.

10 oz. can..... \$0 25
1½ lb. can..... 50
3 lb. can..... 1 00
10 lb. bucket... 3 00

Add parcel post rates to prices of cans and buckets when ordered sent by mail.

Eureka Squirrel Exterminator. By working the bellows the Carbon Bisulphide generates a gas which is forced into the gopher holes, not forcing any of the liquid. Price \$6.00.

Newton's Gopher and Squirrel Killer. Sure death to gophers, squirrels, common rats, skunks, etc. Fills the animal holes with a poisonous gas. Safe to handle. 5c each, dozen 50c.

Rat Corn. A thoroughly tried and proven destroyer of rats and mice. Very effective. When dead they leave no odor because the animals are mummified. Guaranteed. 25, 50 and \$1.00 sizes.

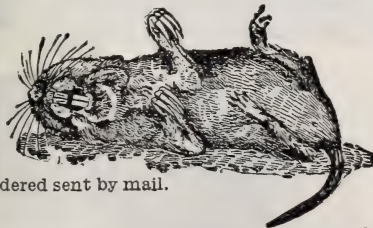
TRAPS

Mole, The Reddich. Easy setting spear, 85 cents.

Gopher, The Macabbee. A steel spring wire, 20 cents.

Dead Lock. 25 cents. **Box Trap,** 25 cents.

Gopher Smokers. A machine for forcing smoke into gopher holes. Price \$10.00.



(Machine Poisoned Raisins)

NURSERY AND ORCHARD SUPPLIES

EXPAN TREE PROTECTORS

Be sure to state the size and kind you want, and then we can fill your order correctly.

No. 1 Per 1000			No. 3 Per 1000			Black Per 1000		
Inch	lbs.	price	Inch	lbs.	price	Inch	lbs.	price
9	25	\$ 5.00	9	33	\$ 6.50	9	50	\$ 5.00
12	34	7.00	12	43	8.50	12	65	7.00
14	45	8.25	14	50	9.75	14	77	8.25
18	50	9.00	18	65	10.50	18	100	9.00
24	67	11.00	24	85	12.50	24	135	11.00

YUCCA TREE PROTECTORS.

		Wgt. per 100	Per 100	Per 1000
12 inches long, 7 inches wide	9	\$1.25		\$11.50
14 " " " 7 " " "	10	1.35		12.00
16 " " " 7 " " "	12	1.50		13.50
18 " " " 7 " " "	13	1.75		15.00
24 " " " 7 " " "	18	2.00		18.00
30 " " " 7 " " "	22	2.25		21.00

Tree Props. The Woodward, copper wire fastenings to hold the limb. \$1.75 per hundred.

PLANT STAKES Round, Painted Green and Smoothly Turned

		Doz.	100	Pot Labels.	Per 100
2 feet, light	\$0.35	\$2.25		4 inch	\$0.15
3 feet, light	.50	3.75		5 inch	.20
4 feet, light	.75	5.50		6 inch	.25
3 feet, heavy	.85	6.50		Garden Labels.	
4 feet, heavy	1.25	8.00		8 inch	\$0.75
5 feet, heavy	1.50	12.00		12 inch	1.00
6 feet, heavy	2.00	15.00			

Stakes, Bamboo. Fine for young trees and other light plants: 5 ft. \$1.25; 6 ft. \$1.50.

Iron Wired Tree Labels. ¾ in. 20 cents per 100; \$1.35 per 1,000
Copper Wired Tree Labels. ¾ in. 25 cents per 100; \$1.75 per 1,000.

WIRE HANGING BASKETS

8 inch	\$0.25
10 inch	.30
12 inch	.40
14 inch	.60

FLOWER POTS (Packing at Cost)

		Each	Per Doz.			Each	Per Doz.
2 inch, 3 for	\$0.05	\$0.20		7 inch	\$0.15	\$1.25	
2½ inch, 2 for	.05	.25		8 inch	.15	1.50	
3 inch, 3 for	.10	.35		9 inch	.20	2.00	
4 inch	.05	.50		10 inch	.25	2.75	
5 inch, 2 for	.15	.75		12 inch	.60	6.00	
6 inch	.10	1.00		14 inch	1.00		

Fern Pots, about half size of flower pots, prices are the same.

FLOWER POT SAUCERS (Packing at Cost)

		Each	Per Doz.			Each	Per Doz.
4 inch, 3 for	\$0.10	\$0.35		9 inch	\$0.15	\$1.50	
5 inch	.05	.50		10 inch	.20	2.00	
6 inch	.05	.60		12 inch	.25	2.50	
7 inch	.10	.75		14 inch	.40	4.00	
8 inch	.10	1.00					

JAPANESE TUBS

We always carry a large assortment of Japanese tubs for porch plants, in four sizes, varnished:

8 inches in diameter	\$0.50 each
12 inches in diameter	.75 each
20 inches in diameter	1.50 each
16 inches in diameter (very scarce)	2.50 each

MOSS

Moss Green. Fine and fresh. Is not stained. The best for hanging baskets. Per pound 15 cents. Quantity price on application.

Sphagnum. Per bale of about 35 pounds, \$2.00.

MISCELLANEOUS

Garden Lines. In balls, 35 cents.

Beeswax. A doubly refined yellow wax unexcelled for pruning and grafting purposes. Put up in two convenient sizes. Pound cake 50 cents, ounce cake 5 cents.

Grafting Wax. A Lion Brand preparation for healing wounds on trees caused by pruning. Very excellent also for spreading around the graft in grafting propagation. Three sizes: pound 40 cents, ½ pound 25 cents, and ¼ pound 15 cents.

Budding Cloth. A cloth treated with resin and beeswax, useful for all budding and grafting purposes. Put up in neat rolls of ½ square yard, 1 square yard, 2 square yards, and 5 square yards. The prices are respectively: \$0.25, \$0.50, \$1.00 and \$2.25.

Pencils, Wolf's Indelible. Solid ink; will dispense with painting labels; 15 cents.

Raffia. (See also page 100.) Best tying material for plants. Pound 20 cents. Special prices on large quantities.

GARDEN HOSE, ATTACHMENTS, ETC.

We want to warn everyone not to leave their hose out in the sun, when not in use, as the water left in it gets warm and will rot out the best of hose.

Germain's Guaranteed Special Hose. The best in the market for the money. Each piece with our guarantee stamped on it. ½ inch 8 cents, ¾ inch 10 cents per foot in 25 and 50 foot lengths.

Germain's Premium. A high grade moulded hose. Guaranteed two years. Will not kink or break. Sold in any lengths; ½ inch 18 cents, ¾ inch 20 cents per foot.

Germain's Moulded. A medium priced moulded hose. Guaranteed for one year and three months. Sold in any lengths; ½ inch 12 cents, ¾ inch 15 cents per foot.

Hippo Hose. A non-kink moulded hose. Guaranteed one and one-half years. Sold in any lengths; ½ in. 16c, ¾ in. 18c ft.

Washer Retainer. Keeps the washer firmly in the coupling; 5 cents each, six for 25 cents.

Hose Couplings Brass; ½ inch and ¾ inch 15 cents per pair.

Perfect Clincher Hose Couplings Brass. Self-fastening without extra bands; 25 cents per pair.

Magic Hose Bands. Wire fastenings for couplings two for 5 cents or 25 cents a dozen.

Sherman Hose Bands. Flat brass bands, three for 10 cents.

Rubber Hose Washers; 5 cents per dozen, 75 cents per pound.

(69) **Hose Menders Wood;** ½ and ¾ inch, 10 cents a dozen.

(66) **Hose Menders the Copper Brass.** Holds itself by small, sharp teeth without extra fasteners; ½ and ¾ inch 10 cents each. Three for 25 cents.

Perfect Clincher Hose Mender. Self-fastening 5 cents each. Three for 10 cents.

LAWN SPRINKLERS

(60) **B.** The only one that will sprinkle square corners and does not waste the water. It always has a dry side so that you can change position without getting wet. Made in six different shapes, as per cut. Order shape best suited to lawn. Price \$1.75.

(68) **O. K.** Gives almost any shaped spray desired by simply moving the spray plate; 40 cents each.

(71) **Wilgus,** 40c. **Twin,** 25c. (72) **Twin** brass lined, 35 c.

Elgin. Fine for low pressure, 65 cents. **Fountain** \$1.00.

(73) **Redlands.** Sprinkler head for underground system for ½ or ¾ inch pipe, 50 cents each; \$5.00 a dozen.

Redland Head. Mounted on iron stand, 85 cents.

Pacific. A revolving spray for large lawns. Price \$2.00, \$3.00 and \$5.00. Send for special circular.

Hotchkiss. A three arm revolving brass sprinkler mounted on iron stand. Price \$1.00 to \$2.25.

Dew Drop. 8-foot long galvanized iron, \$2.00.

(70) **K. Reversible.** 7-foot long, heavy brass, \$1.75.

HOSE NOZZLES

Garey & Ross. Hand spray fan shape, 75 cents.

(67) **The Ross.** Heavy round brass, 50 cents. (74) **Boston** Nozzle, 50 cents.

Diamond Nozzle; 35 cents each.

HOSE REELS

Wire. Made of heavy galvanized iron, \$1.25.

Wood. Reel arms and frame are of hardwood, \$1.25.

SPRINKLING CANS

Common Galvanized. 4 qt. 40 cents, 6 qt. 50 cents, 8 qt. 65 cents, 10 qt. 75 cents, 12 qt. 90 cents.

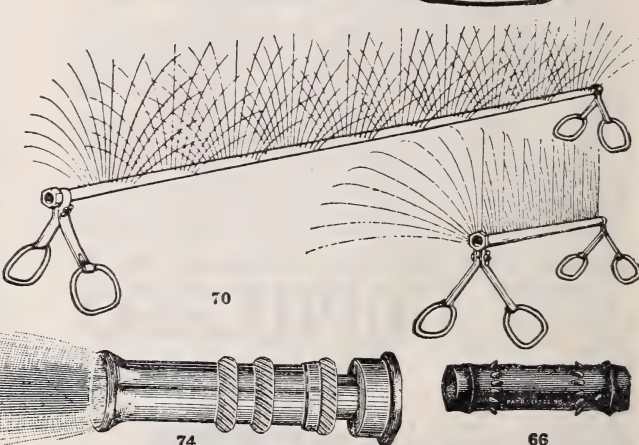
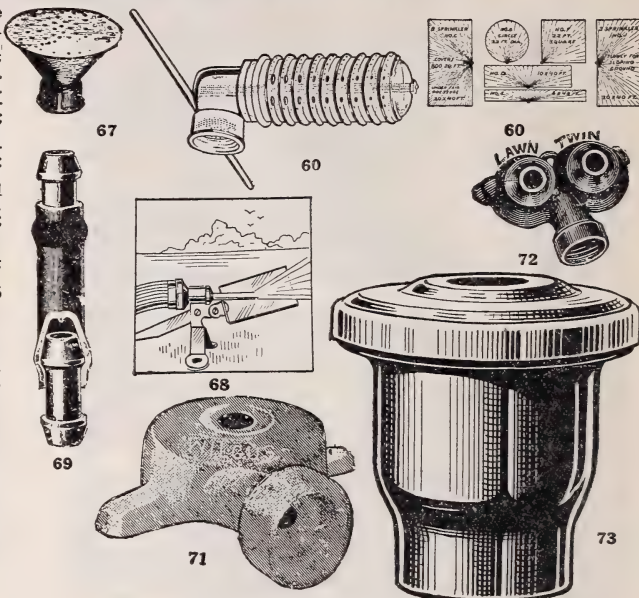
Hercules. Heavy galvanized, 8 qt. 75c, 10 qt. 85c, 12 qt. \$1.00.

Hercules Railroad. Extra heavy galvanized with a special broad spout, 8 qt. \$1.10, 10 qt. \$1.25, 12 qt. \$1.50, 16 qt. \$1.75.

Jannaped Green. Heavy tin painted green, 1 qt. 25 cents, 2 qt. 30 cents, 3 qt. 35 cents, 4 qt. 40 cents.

Imported Sprinkling Cans. French pattern, made out of aluminum, long spouts especially for greenhouse and nursery work. 6 qt. \$2.00, 8 qt. \$2.25, 10 qt. \$2.50, 12 qt. \$2.75, 14 qt. \$3.50, 16 qt. \$4.00.

Sprinkler, Scollay's Rubber. Indispensable for floral work and window gardening, or sprinkling in any way. In sizes, 65 cents, 90 cents, \$1.00 and 1.25.



Raffia—For Making Indian Baskets

Basket making by the Indian is not merely a passing whim, but a true work of art into which they weave their hope, desire, love, religion, poetry, national pride, and mythology. You too can make your baskets your poem, your sculpture, your painting and they will be a joy forever.

The beautiful and useful articles that can be made of this material besides Indian Baskets are so numerous that space will not allow us to mention more than a few of them, such as Hats, Table Mats, Opera or Hand Bags, Sofa Pillows, etc.

We carry in stock large quantities of the Reeds and Raffia for making Indian Baskets.

PRICE LIST—RAFFIA

Natural, per bunch (7 ounces) \$0.10 Colored, per ounce.....\$0.05
Natural, per pound 20 Colored, per pound.....75
Add 2c per ounce or 18c per pound for postage. Needles, per dozen .10

LIST OF COLORS

Black, Lavender, Pink, Purple, Blue Light Brown, Medium Brown,
Bright Red, Medium Red, Indian Red Dark Brown.
Light Green, Medium Green, Olive Green Orange, Yellow
Send for sample of colors.

REEDS, CHINESE

Put up in 2 ounce bunches, 10 cents per bunch, or 60 cents per pound.
Add 2 cents per ounce or 18 cents per pound for postage.



Germain

This Signature [100] Denotes Our Recommendation

LAWN MOWERS, ROLLERS, GRASS CATCHERS

LAWN MOWERS

(49) **Our Special.** This mower is made especially for us, having an 8 in. drive wheel, four blades in revolving cutter, bottom knife of hardened crucible steel. Split bronze adjustable bearings. Constructed throughout of the best material. A low priced, high grade mower for the ordinary home lawn. Price 14 in. \$4.00, 16 in. \$4.50.

(50) **Colonial.** This mower is made to meet the demand for a good ball-bearing mower at reasonable price, having an 8 in. drive wheel, four blades in revolving cutter and bottom knife of tool steel. Simple adjustment to ball-bearing, and an easy mower to operate. Price 14 in. \$5.00, 16 in. \$5.50, 18 in. \$6.00.

(51) **Imperial.** One of the highest grade on the market, having a 10 1/4 in. drive wheel. Five blades in revolving cutter, set in a patent split bronze adjustable hanger. Bottom knife reversible, channel shape having double cutting edge of the hardest steel made. Triple pawl in each drive wheel. Finish and construction of the test. Self-sharpening. Price 14 in. \$11.00, 16 in. \$11.50, 18 in. \$12.00.

Interstate. A strong, but light weight open frame ball-bearing mower. With 10 1/4 in. drive wheel and four blades in revolving cutter. Bottom knife of tool steel. Self-sharpening. Price 14 in. \$9.00, 16 in. \$9.50, 18 in. \$10.00.

(48) **Lakewood.** A high grade 4-blade ball-bearing mower. Nine inch drive wheel. Has a positive lock adjustment to bearing. Bottom knife of the best steel. Self-sharpening. Price 14 in. \$8.50, 16 in. \$9.00, 18 in. \$9.50.

Regal. The special feature of this mower is the 10 1/4 in. drive wheel running on ball-bearings, which carry the weight of the mower, making it very easy to operate. Has five blades in revolving cutter, which is set in bronze bearings driven by a chain of gears. Bottom knife of the very hardest of steel. Channel shape having double cutting edge. Self-sharpening. Price 14 in. \$12.00, 16 in. \$12.50, 18 in. \$13.00.

Rowling & Putting Green Mower. This mower is provided with all the requirements that are necessary for making a fine close cut and firm lawn. The special feature is the cutter unit, which is separate and independent, and is not affected by any twisting or strain that might be put on the main frame in going over rough and uneven ground. It is provided with large carrying wheels attached so that when in position for mowing they are raised from the ground. Price with double cutter unit, \$40.00.

(52) **Demountable Cutter Unit Horse Mower.** We carry a full line of Horse Mowers. Send for special circular and price.

POWER MOWER. Price on application. Send for full descriptive matter.

Pennsylvania Jr. High wheel, ball-bearing. The best known mower for all classes of work. Price 15 in. \$13.75, 17 in. \$15.50, 19 in. \$17.00.

Pennsylvania Jr. Low wheel. Ball-bearing. Same general construction as high wheel, but lighter in weight. Price 12 in. \$8.25, 14 in. \$9.00, 16 in. \$10.00.

Pennsylvania High Wheel. A high wheel, plain bearing. Price 15 in. \$13.25, 17 in. \$15.00.

Pennsylvania Low Wheel. A low wheel, plain bearing. Price 12 in. \$8.00, 14 in. \$8.75, 16 in. \$9.75.

(50) **Capitol Lawn Trimmer and Edger.** Does what Lawn Mowers leave undone. Having one side without wheel, it can be run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc.: 4 steel blades, 6 in. wide. Price, \$6.00 complete.

GRASS CATCHER

All Canvas. Fits readily to any mower. No 1, 60 cents; No. 2, 75 cents.

Henley Simplex. Galvanized bottom and heavy canvas top. No. 1 for 12 to 16 inch mower \$1.00. No. 2 for larger, \$1.25.

Braun. Canvas side and heavy steel bottom made especially for Pennsylvania Lawn Mower from 12 to 14 inches, \$2.00; 15 to 17 inches \$2.25; 18 to 21 inches \$2.50.

LAWN ROLLERS

The Boss. The only high grade roller having a perfectly smooth face. The outer edges are beveled so as not to dig into the lawn when turning. The axles are of steel with heavy counter balance hung in the middle, keeping the handle in an erect position when not in use.

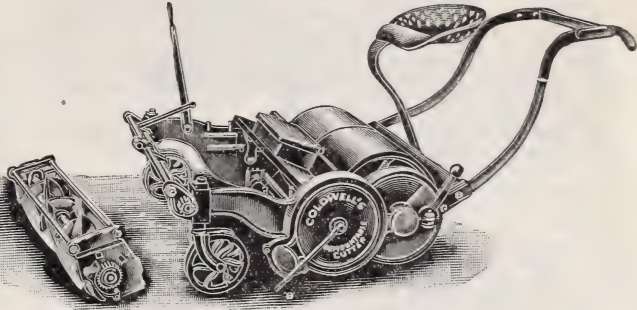
No.	Sections	Diam., in.	Length, in.	Wgt., lbs.	Price
1	2	15	15	150	\$13.00
4	2	20	20	250	18.00
9	2	24	20	400	26.00
*20	2	20	20	300	25.00
15	3	28	30	600	30.00
6	3	20	24	300	22.00

Horse Lawn Rollers from \$75.00 to \$95.00.

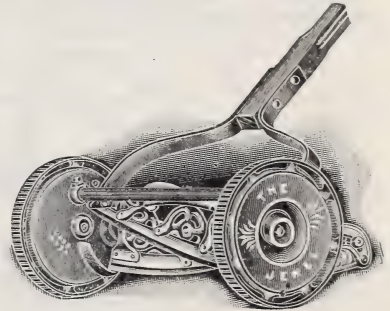
* No. 20 is fitted with a weight box which can be loaded up to 500 pounds if necessary. These weight boxes can be furnished for other sizes, if wanted, at an additional cost.

Water Ballast. The advantage of a roller that you can increase or decrease the weight of cannot be over-estimated. With a Water Ballast one can secure any weight desired between the maximum and minimum by removing the cap on the end and filling with either sand or water to the weight desired.

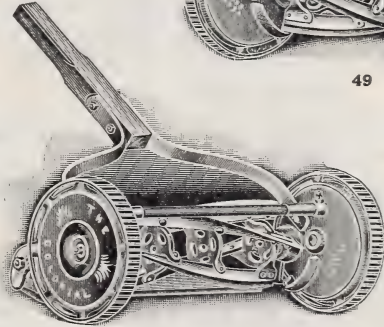
No.	Diam. inch	Length inch	Weight empty	Filled with sand	Filled with water	Price
3	14	20	60	300	200	\$11.00
5	18	24	75	500	300	13.00
7	24	24	125	800	500	15.00



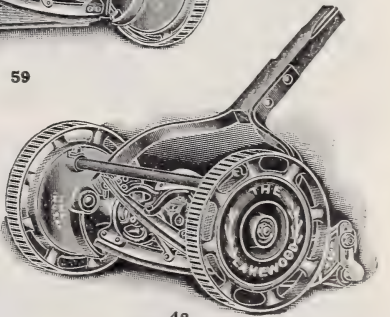
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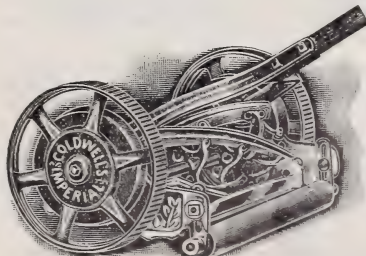
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59



48



51



50

DIBBLES

- (14) **Iron.** With steel point. 50 cents.
Wood. With brass point. 75 cents.

FORKS

- Spading.** 4-tined Diamond Back. Ladies size D handle, 75 cents; (20) Strap Ferrule D handle \$1.00; Solid Shank D handle, \$1.25; Plain Ferrule, long handle 75 cents; Strap Ferrule, long handle, \$1.00; Solid Shank, long handle, \$1.35.
Hay. 2-tined, long handle. Plain Ferrule, 50 cents; Strap Ferrule, 65 cents; 3-tined Strap Ferrule, 75 cents.
(10) **Manure.** 4-tined, long handle. Plain Ferrule, 85 cents; Strap Ferrule, \$1.00.

GRASS HOOKS

- (15) **Village Blacksmith.** Hand made of best steel. Light 50 cents, heavy 60 cents. **Scythe** 85 cents. **Snathe** 85 cents.

HOES

- Ladies' Size:** 5 in. 35 cents, 6 or 7 in. shank hoe 50 cents. (28) 6 or 7 in. socket hoe 65 cents, 10 in. 85 cents.

- Planters:** 6 in. 30 cents, 7 in. 40 cents, 9 in. 60 cents, 10 in. 65 cents. Handles for same 30 cents each.

- (18) **Warren:** 6 in. 65 cents, 7 in. 85 cents.
(4) **Scuffle:** 7 in. 60 cents, 8 in. 75 cents, 10 in. \$1.00.

- (13) **Hoe and Rake Combined.** According to size, 35c to 65c.
Norcross Cultivators. Have a 4½ foot handle with 3 cultivator teeth, 65 cents. With 5 teeth 85 cents.

- Dig Ezy,** 75 cents. **Best Thinning,** short handle, 40 cents.
Onion Weeder. Short or long handle, 40 cents each.

- (30) **Manure Hooks.** Four round tines, goose neck, 75 cents. Five tines, 85 cents. Four diamond back tines, medium weight, 75c Extra heavy, \$1.00.

KNIVES

- Corn,** 18 in. blade, 50c. (11) **Potato curved blade,** 15c.
Asparagus Knife, 50 cents.

- (21) **Pruning.** German imported (Henckels) and American makes, 50 cents to \$1.75.

- Orange Clippers,** 35 to 65 cents.
Post Hole Digger, \$1.00.

- Soil Augers.** 3 feet long, \$3.50. Extra extensions can be secured.
Soil Testers, The King. A brass tube with a steel point having a heavy iron plunger. A sample of soil can be secured at any depth up to 6 feet. Price \$10.50.

RAKES

- (22) **All Steel,** 14 teeth 60 cents, 16 teeth 75 cents. Extra heavy 16 teeth \$1.25.

- (5) **Wire Lawn.** 18 teeth 50c, 24 teeth 65c, including handle.
Malleable Iron. 6 tooth 30 cents, 14 and 16 teeth 45 cents.

- (8) **Steel Bow.** 11 teeth 65 cents, 13 teeth 75c, 15 teeth 85c.

PRUNING SAWS

- (9) **Browns.** 16 in. 75 cents.
Crescent Shape. 12 in. and 14 in. 75 cents.

- (3) **Double Edge.** Fine teeth on one side and coarse on the other, 15 in. 75 cents 17 in. \$1.00.

SHEARS

- (1) **Border or Edging.** 9 in. blade, long handle. (25-26) **Hedge Shear.** 6 in. blade \$1.00, 8 in. \$1.50, 9 in. \$1.75, 10 in. \$2.00.

- (27) **Tree Looping,** \$1.25 to \$2.50.
(16) **Border shear,** with or without wheel, \$4.00.

- Pruning,** \$1.25 to \$2.50 (Nos. 32-33-34).
Orchard King Pruner. Has a compound leverage; will cut a live tree branch 2 in. thick without bruising the tree, \$3.00.

- Detroit.** 6-foot handle \$1.50, 8-foot \$1.75, 10-foot \$2.00. The **Happy Thought** has a forked end, making a fine tool for close work. 6-foot \$1.50, 8-foot \$1.75, 10-foot \$2.00.

- Kansas City** cuts automatically by pull on handle, 7-foot \$3.00.

- (6) **Pruning.** Small for ladies' use of fine steel nickel-plated in three sizes, 80 cents, \$1.00 and \$1.25. (32-34) **Henckels** Imported from \$1.00 to \$3.50.

- (17) **Tree Pruning** Lees Telegraph, 6-ft. \$1, 8-ft. \$1.25, 10-ft. \$1.50.

- Grass.** Village Blacksmith, very best made, from 50c to \$1.25.

SHOVELS

- Round Point Strapped.** Long handle \$1.00, D handle 75 cts. Round Point Solid Socket Long or D handle \$1.50.

- (29) **Square Point Strapped** Long handle \$1.00. (24) D handle 75c. Square Point Solid Socket, Long or D handle, \$1.50.

SPADES

- (29) **Long Handle.** Strapped \$1.00. Solid Socket \$1.50.
(2) **D Handle.** Strapped \$1.00. Solid Socket \$1.35.

- Drain.** 18 in. blade \$1.50. Ladies' or Boys' D handle, 75 cents.
Garden Sets. Boys' or Ladies', three piece of best steel (a hoe, rake and shovel), \$1.00 to \$1.25. With spading fork, \$1.50.

- Tree Props.** The Woodward, Copper wire fastenings to hold the limb, \$1.75 per hundred.

TROWELS

- (19) A two-pieced 6 in. tinned 10 cents. Pressed steel 25 cents. Pressed steel heavy 35 cents. Steel with solid shank, straight or crooked 60 cents. (12) Turf edgers have a 4½-foot handle, used for trimming lawns, 75 cents.

WEEDERS

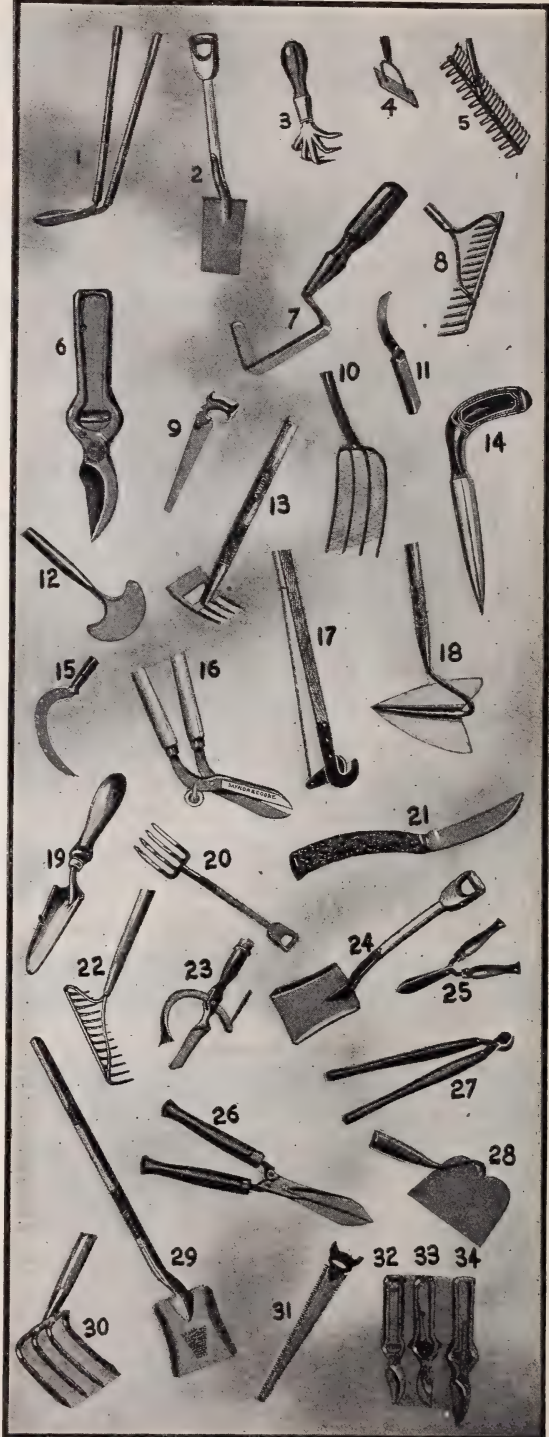
- (3) **Excelsior,** 10 cents. (7) **Hazeltine,** 35 cents.
(42) **Havils.** Ball Weeder, 35 cents. (35) **Pond's** No. 1 with blade 1½ in. wide by 8 in. long, 35 cents. No. 2, 1¾ in. wide by 8½ in. long, 40 cents.

- Perfection.** Weeder and rake combined, 35 cents.
Dandelion. 3-ft. handle, 60 cents.

- (23) **Lifting.** 3-ft. handle, 75 cents.
Sargent. Malleable iron with wood handle, has 5 teeth like a claw, 25 cents.

ASPARAGUS BUNCHERS

- Asparagus Bunchers.** No. 1, well shaped bunches, 3-3½ inches in diameter, weighing about 1 lb., \$2.50; No. 2, shapes bunches 4-5 inches in diameter, weighing about 2 lbs., \$2.75.



"PLANET JR." FARM AND GARDEN TOOLS

"The best is always the Cheapest"
Send for "Planet Jr." Catalogue

NO. 4 COMBINED SEED DRILL, SINGLE WHEEL HOE, CULTIVATOR AND PLOW

This is the most popular combined tool made. It combines in a single implement, a first-class hill-dropping seeder, a single wheel hoe or weeder, a cultivator and a plow. As a wheel hoe it is identical with the "Planet Jr." No. 17 Single Wheel Hoe, the very best machine on the market.

NO. 6 HILL AND DRILL SEEDER AND SINGLE WHEEL HOE

This seeder is the latest and most perfect development of the hand seed drill. It sows evenly in drills and also drops in hills at 4, 6, 8, 12 and 24 inches apart. It is thrown out of gear instantly by moving a convenient lever, or the flow of seed is stopped by pushing down feed rod. No time is lost, no seed is wasted. It is quickly set to sow the different kinds of seeds, in the exact thickness required. The accurate hill-dropping drill, which gives a regular stand of plants with the least seed, saves its cost over and over again in seed alone. Price complete, \$14.50; as a drill only, \$12.00; as a wheel hoe \$7.00.

NO. 8 HORSE HOE AND CULTIVATOR

Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle. It opens and closes furrows, hoes right up to the plants without danger of injuring, throws dirt to or from the row and back from center again. You can set the hoes at any angle or reverse altogether, cultivate to any depth desired, and adjust for any width. Price \$10.50. Without depth regulator (order as No. 7), \$10.00.

NO. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

Two acres a day can easily be worked with this implement, and when it is done it will be a better job than three men could have done in the same time with hand hoes. The No. 12 runs either astride or between the rows; kills all the weeds and leaves the earth in fine shape. The No. 12 has a pair of 6 inch hoes, a pair of plows for opening or covering, and a set of four all-steel cultivator teeth. Price, \$7.85.

12-TOOTH HARROW, CULTIVATOR AND PULVERIZER

With the 12-tooth harrow here shown, you go as deep or as shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. Price, complete, \$10.50; without wheel, \$8.60; without the wheel and pulverizer, \$7.30.

NO. 17 SINGLE WHEEL HOE, CULTIVATOR AND PLOW

For easy gardening, and at the same time clean and perfect gardening, nothing is quite the equal of this No. 17 Wheel Hoe. It is suited to all kinds of garden cultivation and all garden crops. The No. 17 has a pair of 6 inch hoes, a plow, and a set of cultivator teeth, an outfit sufficient for most garden work. Price, \$5.75. No. 16, with a pair of rake and leaf-lifters in addition to the above equipment. Price, \$6.50. No. 17½, with hoes, cultivator teeth and leaf-lifter. Price, \$5.25. No. 18, with hoes only. Price \$4.25.

NO. 25 COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

This combined machine is intended for gardeners who have a large enough acreage in crops for a double wheel hoe to be used to good advantage, and prefer not to buy separate machines. As a wheel hoe it is identical with the "Planet Jr." No. 12 Double Wheel Hoe, the very best machine on the market. Price \$14.50.

THE FIRE-FLY GARDEN PLOW

This tool is most useful to owners of small gardens. It will throw a furrow 4 to 6 inches wide, and 1 3 to inches deep. The furrows for manure or seeds can be opened and covered. In cultivating, plow away, weed, and plow back again.

Chicken raisers find it of great advantage in plowing up their scratching yards. Price, \$3.00.

MISCELLANEOUS

PLANTERS AND SEEDERS

(45) **Corn, The Segment.** The most accurate planter on the market. \$1.50.

(41) **Potato, The Acme.** Has spring closed jaws. Especially designed to enter the ground easily and yet open wide enough to drop the potato at any depth desired. \$1.50.

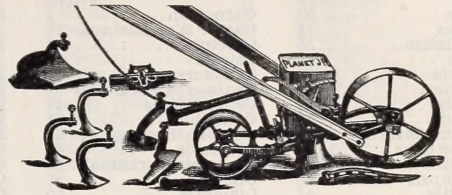
(40) **Cahoon Seed Sower.** The standard sower, superior to all other hand sowers. Gives perfect satisfaction and can be used for sowing alfalfa and all grains broadcast. Sows from four to eight acres per day at a common walking gait. \$3.50.

(44) **The Little Giant Seeders** are the lightest running and best seeding machines on the market. They have Iron Frames, Malleable Brace, Force Feed, Pressed Tin Distributing Wheel, and hand hold on the side, and the stirrer is the most effective feeder placed on any machine. Price \$2.50.

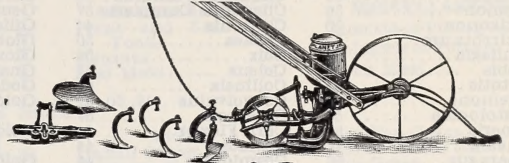
Master's Plant Setter. For planting cabbage, tobacco, celery and small plants of any kind. With this handy little tool you can set, water and fertilize ten thousand plants per day. \$4.50.

WHEELBARROWS

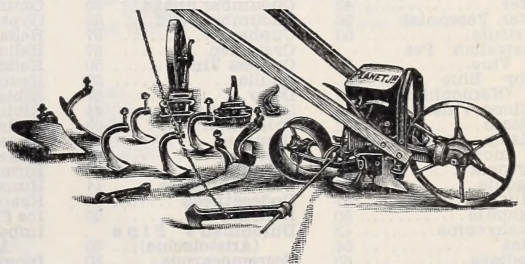
Wheelbarrow. This barrow is light but strong, has steel wheel and axle. Well suited for gardeners' work. \$4.00.



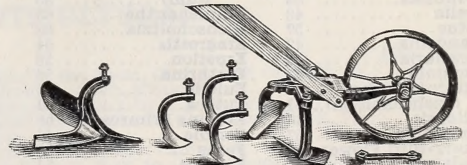
NO. 4 COMBINED TOOL



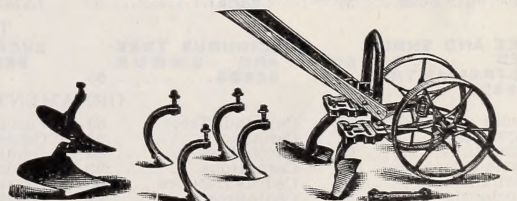
NO. 6 HILL AND DRILL SEEDER



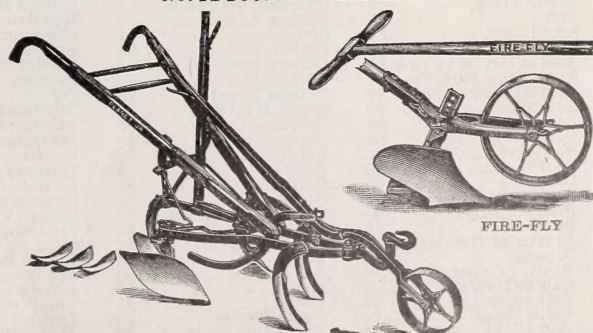
NO. 25 COMBINED HILL AND DRILL SEEDER



NO. 17 SINGLE WHEEL HOE



NO. 12 DOUBLE-WHEEL HOE



NO. 8 HORSE HOE AND CULTIVATOR

FIRE-FLY

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